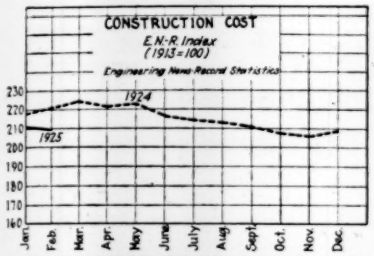
CONSTRUCTION NEWS

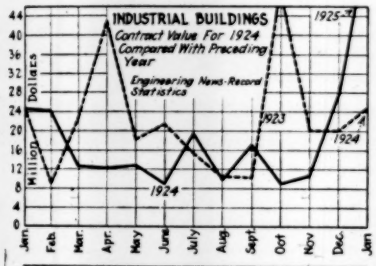
Engineering News-Record, February 12, 1925

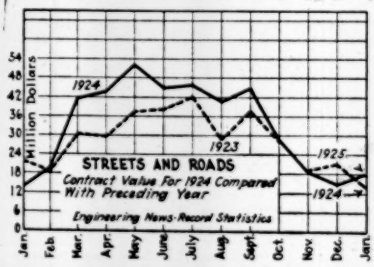
The Construction Barometer

Volume of Construction Increasing With Declining Cost—Steady Gain Now Seen in Lettings for Public Work Throughout U. S.—Water-Works and Private Buildings Lead in West—Federal Government Work Active in South

AN INCREASING volume, consequent to declining cost, is true of the present construction situation, as shown by the accompanying charts. Nearly all classes of work shared in the January gains and there is a consistent upward trend in contract letting for public work throughout the entire nation. The past month has seen steady gains, from week to week, in Federal Government awards in the South. In the Middle West, the only classification to show a definite increase each week, over the one preceding, is that of private buildings for commercial use. The same may be said of water-works projects in the states immediately west of the Mississippi.






STREETS AND ROADS
Contract Value For 1924 Compared With Preceding Year
Engineering News-Record Statistics
Million Dollars
1924
1923
1925
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec. Jan.

Engineering News-Record Statistics

Minimum on water-works and excavations, $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

Value of Large Contracts Let In The United States

Week Ended	Public Work	Private Work	Total Contracts
Jan. 22	$7,940,000	$24,281,000	$32,221,000
Jan. 29	9,194,000	85,927,000	95,121,000
Feb. 5	13,213,000	20,500,000	33,713,000
3 weeks	$30,347,000	$130,708,000	$161,055,000

Large Building Contracts—Number and Value

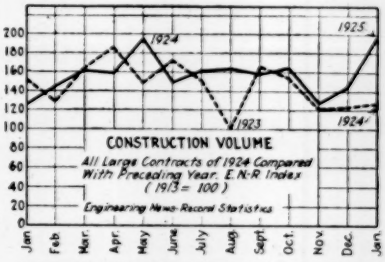
Week Ended	Commercial—Public No.	Commercial—Public Thousand	Commercial—Private No.	Commercial—Private Thousand	Industrial No.	Industrial Thousand
Jan. 22	10	$2,656	52	$21,930	8	$1,071
Jan. 29	5	778	37	24,384	34	61,518
Feb. 5	11	3,525	27	17,107	18	1,539
3 weeks	26	$6,959	96	$63,421	60	$64,128

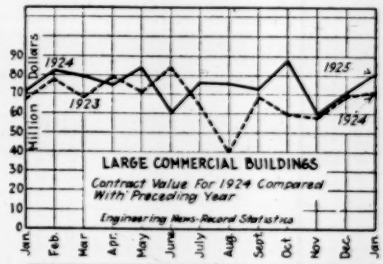
Number Of Large Jobs Now Out For Bids

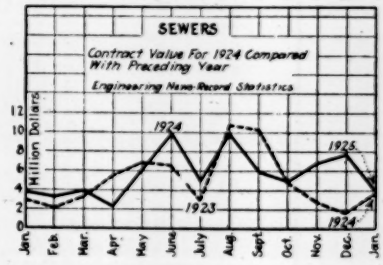
Week Ended	Private	Commercial Buildings	Streets and Roads	Waterworks and Sewers	All Public
Jan. 22	26	47	48	25	158
Jan. 29	27	43	31	24	144
Feb 5	23	40	41	34	174

Steel Shapes Firmer at Mills

	Quoted on Feb. 12 at	Last Price Change Was	On
Structurals, Pittsburgh, 100 lb.	$2.00 @2.20	$2.00 @2.10	Feb. 5
Cement, Chi., net bbl.	2.20	2.10	Jan. 15
Pine, N. Y., M. ft.	60.00	57.00	Jan. 15
Fir., San Fran., M. ft.	29.00	31.00	Oct. 30
Common labor, hr.	.54	.55½	Jan. 29


CONSTRUCTION VOLUME
All Large Contracts of 1924 Compared With Preceding Year. E.N.-R. Index (1913=100)
Engineering News-Record Statistics
1924
1925
1923
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec. Jan.


LARGE COMMERCIAL BUILDINGS
Contract Value For 1924 Compared With Preceding Year
Engineering News-Record Statistics
Million Dollars
1924
1923
1925
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec. Jan.



PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Feb. 13	Buffalo, N. Y.	Feb. 12
Feb. 15	Kansas City, Mo.	Jan. 29
Feb. 16	Bay City, Mich.	Feb. 5
Feb. 16	Detroit, Mich.	Feb. 5
Feb. 16	South Milwaukee, Wis.	Feb. 12
Feb. 17	St. Catherines, Ont.	Feb. 5
Feb. 17	Clinton, S. C.	Feb. 12
Feb. 17	Menasha, Wis.	Feb. 12
Feb. 17	Stanton, Neb.	Feb. 12
Feb. 18	West Jefferson, N. C.	Jan. 22
Feb. 18	Morrison, Okla	Feb. 12
Feb. 18	Boston, Mass.	Feb. 12
Feb. 18	Grandview Heights (mail Columbus), O.	Feb. 12
Feb. 19	Boston, Mass.	Feb. 12
Feb. 20	Mt. Vernon, N. Y. Adv. Feb. 5 and 12.	Feb. 5
Feb. 20	North Tarrytown, N. Y. Adv. Feb. 5 and 12.	Feb. 5
Feb. 20	Oneida, N. Y. Adv. Feb. 5 and 12.	Feb. 5
Feb. 21	Pointsville, Ky.	Feb. 5
Feb. 24	Clinton, Mass.	Jan. 22
Feb. 24	Sea Girt, N. J. Adv. Feb. 5 and 12.	Feb. 5
Feb. 25	Fall City, Neb.	Feb. 12
Feb. 25	Mansura, La. Adv. Feb. 12.	Feb. 12
Feb. 26	Springfield, Mass. Adv. Feb. 12.	Feb. 12
Mar. 3	Barberton, O.	Jan. 29
Mar. 10	Piqua, O. Adv. Feb. 12.	Feb. 12
Mar. 16	New York, N. Y.	Feb. 5

SEWERS

Bids Close		See Eng. News-Record
Feb. 13	Long Island City, N. Y.	Feb. 5
Feb. 16	New Orleans, La.	Jan. 15
Feb. 16	Paducah, Tex.	Jan. 29
Feb. 16	New York, N. Y.	Feb. 12
Feb. 16	Toledo, O.	Feb. 12
Feb. 16	New York, N. Y.	Feb. 12
Feb. 18	Grand Rapids, Mich.	Jan. 22
Feb. 19	Portsmouth, O. Adv. Feb. 5 and 12.	Feb. 5
Feb. 19	Dover, N. J.	Feb. 12
Feb. 19	New York, N. Y.	Feb. 12
Mar. 2	Elgin, Ill. Adv. Feb. 5 and 12.	Feb. 5

Bids Close		See Eng. News-Record
Mar. 5	Westerville, O. ..... Adv. Feb. 12.	Feb. 12
Mar. 9	Decatur, Ill. ..... Adv. Feb. 12.	Feb. 12
Mar. 10	Urbana, Ill. ..... Adv. Feb. 12.	Feb. 12

WASTE DISPOSAL

Feb. 17	Sharon, Pa. ..... Adv. Feb. 5 and 12.	Feb. 5

BRIDGES

Feb. 16	Michigan	Feb. 5
Feb. 16	Arkansas	Feb. 12
Feb. 17	Tampa, Fla.	Jan. 8
Feb. 17	Marion, Ia.	Feb. 12
Feb. 17	Colorado	Feb. 12
Feb. 18	Idaho	Feb. 12
Feb. 24	California	Feb. 12
Feb. 27	Lancaster, Pa.	Feb. 12
Mar. 5	Charleston, S. C. ..... Adv. Feb. 12.	Feb. 12

DAM

Feb. 26	Westminster, B. C.	Feb. 5

EXCAVATION, DRAINAGE IRRIGATION, LEVEES

Feb. 17	Minneapolis, Minn.	Feb. 5
Feb. 18	Oroville, Calif.	Feb. 12
Feb. 19	San Francisco, Calif.	Feb. 12
Mar. 2	Ithaca, N. Y. ..... Adv. Feb. 5 and 12.	Feb. 5

STREETS AND ROADS

Feb. 14	Galesburg, Ill.	Feb. 12
Feb. 16	Peekskill, N. Y. ..... Adv. Jan. 15 to Feb. 12.	Jan. 22
Feb. 16	Bartow, Fla.	Feb. 12
Feb. 16	New York, N. Y.	Feb. 12
Feb. 17	St. Louis, Mo.	Jan. 22
Feb. 17	Teague, Tex.	Jan. 29
Feb. 17	Fairfield, Tex.	Jan. 29
Feb. 17	Waupun, Wis.	Feb. 5
Feb. 17	Winnsboro, S. C.	Feb. 12
Feb. 17	St. George, N. Y.	Feb. 12
Feb. 17	Sonora, Tex.	Feb. 12
Feb. 17	Menasha, Wis.	Feb. 12
Feb. 18	Austin, Minn.	Jan. 29
Feb. 18	Nevada	Feb. 12
Feb. 18	Grandview Heights (mail Columbus), O.	Feb. 12
Feb. 18	San Francisco, Calif.	Feb. 12
Feb. 19	Louisiana	Feb. 5
Feb. 20	Arkansas	Feb. 12
Feb. 20	Idaho	Feb. 12
Feb. 20	Ohio	Feb. 12
Feb. 21	Idaho	Feb. 12
Feb. 23	Kansas City, Kan.	Feb. 5
Feb. 24	Peru, Ind.	Jan. 22
Feb. 24	Urbana, Ill.	Jan. 29
Feb. 24	Louisiana	Feb. 5
Feb. 24	Juneau, Wis.	Feb. 12
Feb. 24	San Diego, Calif.	Feb. 12
Feb. 25	Pearsall, Tex.	Feb. 5
Feb. 25	Kernersville, N. C.	Jan. 29
Feb. 26	Kenosha, Wis.	Jan. 29
Feb. 27	Pennsylvania ..... Adv. Feb. 5 and 12.	Feb. 5
Feb. 27	Greenburg, Pa.	Feb. 12
Mar. 1	New Philadelphia, O.	Feb. 5
Mar. 3	St. Louis, Mo.	Feb. 5
Mar. 2	Kalama, Wash.	Feb. 12
Mar. 2	New Jersey ..... Adv. Feb. 12.	Feb. 12
Mar. 3	Wash., D. C.	Feb. 12
Mar. 3	Bluefield, W. Va. ..... Adv. Feb. 12.	Feb. 12
Mar. 4	Mobile, Ala. ..... Adv. Feb. 5 and 12.	Feb. 5
Mar. 30	Duluth, Minn.	Feb. 12

BUILDINGS—INDUSTRIAL

Feb. 13	Coney Island (Sta. Brooklyn), N. Y.	Feb. 5
Feb. 16	Phila., Pa.	Feb. 12
Feb. 20	Coney Island (Sta. Brooklyn), N. Y.	Feb. 12
Mar. 1	Youngstown, O.	Jan. 15

BUILDINGS—COMMERCIAL

Feb. 14	Stamford, Conn.	Feb. 5
Feb. 14	Mansfield, O.	Feb. 5
Feb. 15	Youngstown, O.	Jan. 15
Feb. 16	Detroit, Mich.	Feb. 5
Feb. 16	New York, N. Y.	Feb. 12
Feb. 16	Faribault, Minn.	Feb. 12
Feb. 16	Milwaukee, Wis.	Feb. 12
Feb. 17	Collingwood, Ont.	Jan. 22
Feb. 17	Wilmington, Del.	Jan. 22
Feb. 18	Jefferson City, Mo.	Feb. 5
Feb. 18	Baltimore, Md.	Feb. 12
Feb. 18	Shamokin, Pa.	Feb. 5
Feb. 18	Bowie, Md.	Feb. 12
Feb. 19	Jamaica, N. Y.	Jan. 29
Feb. 19	Reading, Pa.	Feb. 12
Feb. 20	Phila., Pa.	Feb. 5
Feb. 20	Germantown (Phila. P. O.), Pa.	Feb. 5
Feb. 20	Detroit, Mich.	Feb. 12
Feb. 21	New Jersey	Feb. 5
Feb. 21	San Antonio, Tex.	Feb. 12
Feb. 23	Jacksonville, Fla.	Feb. 12
Feb. 25	Petrolia, Ont.	Feb. 12
Feb. 26	Rhinelander, Wis.	Feb. 5
Feb. 26	Omaha, Neb.	Feb. 12
Feb. 27	Bremen, O.	Feb. 5
Feb. 27	Cleveland, O.	Feb. 12
Mar. 2	Lewisburg, Pa.	Feb. 5
Mar. 3	Kansas City, Mo.	Feb. 12
Mar. 4	Kings Park, N. Y. ..... Adv. Feb. 12.	Feb. 12
Mar. 5	Hudson, N. Y. ..... Adv. Feb. 5 and 12.	Feb. 5
Mar. 17	Freeport, Ill.	Feb. 5

FEDERAL GOVERNMENT WORK

Feb. 14	Deck Barges—Pittsburgh, Pa. ..... Adv. Jan. 22 to Feb. 12.	Jan. 22
Feb. 16	Seawall and Breakwater — Boston, Mass.	Jan. 22
Feb. 16	Bridge—Ft. Leavenworth, Kan. ..... Adv. Jan. 29 to Feb. 12.	Feb. 5
Feb. 17	Electric Wiring — Gulf, Miss.	Jan. 29
Feb. 18	Radio Tower—Cavite, P. I.	Jan. 15
Feb. 18	Extension—Keyport, Wash.	Jan. 15
Feb. 18	Water Intake—Great Lakes, Ill.	Feb. 5
Feb. 19	Garage—Wash., D. C.	Feb. 12
Feb. 20	Dredging—Baltimore, Md.	Jan. 22
Feb. 20	Extensions—Bloomington, Ill.	Jan. 29
Feb. 20	Roofings—Florence, Ala. ... Adv. Jan. 29 to Feb. 12.	Jan. 29
Feb. 24	Service—Memphis, Tenn. ... Adv. Jan. 29 to Feb. 12.	Jan. 29
Feb. 24	Dredging, etc.—New York, N. Y. ..... Adv. Feb. 12.	Feb. 12
Feb. 25	Alterations—Mare Island, Calif.	Feb. 5
Feb. 25	Well Houses—Annapolis, Md.	Feb. 5
Feb. 27	Towboat — Vicksburg, Miss. ..... Adv. Jan. 29 to Feb. 12.	Jan. 29
Feb. 27	Boat Hull—Pittsburgh, Pa. ..... Adv. Feb. 5 and 12.	Feb. 5
Feb. 27	Stone—Wilmington, Del.	Feb. 5
Feb. 28	Barges—Vicksburg, Miss.	Feb. 5
Feb. 28	Tower—New York, N. Y. ... Adv. Feb. 5 and 12.	Feb. 5
Mar. 2	Paving, etc.—San Diego, Calif.	Feb. 5
Mar. 2	Wire, etc.—Memphis, Tenn. Adv. Feb. 5 and 12.	Feb. 5
Mar. 2	Rope—Memphis, Tenn. ... Adv. Feb. 5 and 12.	Feb. 5
Mar. 2	Repairs, etc.—Baltimore, Md.	Feb. 12
Mar. 3	Storehouse—Jefferson Barracks, Mo. ..... Adv. Feb. 5 and 12.	Feb. 5
Mar. 3	Pumping Units—Wash., D. C. ..... Adv. Feb. 5 and 12.	Feb. 5
Mar. 5	Post Office—Parkersburg, W. Va. ..... Adv. Feb. 12.	Feb. 12
Mar. 6	Steel Hull—Phila., Pa. ..... Adv. Feb. 5 and 12.	Jan. 22
Mar. 6	Pipeline—Phila., Pa. ..... Adv. Feb. 12.	Jan. 29
Mar. 10	Dam—Mitchell, Neb.	Feb. 5
Mar. 12	Turbines—Denver, Colo.	Feb. 5
Mar. 12	Barge—Wilmington, N. C. Adv. Feb. 12.	Feb. 12
Mar. 12	Steel Bars—Milwaukee, Wis. ..... Adv. Feb. 12.	Feb. 12
Mar. 17	Buildings, etc.—Great Lakes, Ill.	Feb. 12

UNCLASSIFIED

Feb. 17	Boardwalk—Wildwood, N. J. ..... Adv. Feb. 5 and 12.	Feb. 5
Feb. 18	Underpass—Nevada	Feb. 12
Feb. 19	Athletic Field—Long Island City, N. Y.	Feb. 12
Feb. 24	Refrigeration Works, etc.—Auburn, N. Y.	Jan. 29
Feb. 24	Grade Separation—Springwells, Mich. ..... Adv. Feb. 12.	Feb. 12
Feb. 24	Ornamental Street Lighting System — San Gabriel, Calif.	Feb. 12
Feb. 24	Athletic Field, etc.—Scituate, Mass.	Feb. 12
Mar. 4	Fire Alarm System—Ogdensburg, N. Y. ..... Adv. Feb. 12.	Feb. 12
Mar. 4	Fire Sprinklers—Willard, N. Y. ..... Adv. Feb. 5 and 12.	Feb. 12
Mar. 5	Sanitary Works, etc.—Randalls Island (mail New York), N. Y. ..... Adv. Feb. 5 and 12.	Feb. 5
Mar. 23	Estuary Tube—Oakland, Calif.	Feb. 5

MATERIAL AND EQUIPMENT

Feb. 16	Snow Plows—Delaware ...	Feb. 5
Feb. 16	Iron Castings, etc. — Boston, Mass.	Feb. 5
Feb. 16	Diesel Oil Engine—Wellington, Tex.	Feb. 5
Feb. 16	Sand Grit—New York, N. Y.	Feb. 12
Feb. 16	Asphalt Filler, etc.—Kenosha, Wis.	Feb. 12
Feb. 17	Truck—Waukesha, Wis. ...	Feb. 12
Feb. 18	Coal Tar—Cincinnati, O. ...	Feb. 12
Feb. 18	Trucks—West New Brighton, N. Y.	Feb. 12
Feb. 19	Sand, Stone, etc.—Detroit, Mich.	Feb. 5
Feb. 25	Road Material—Freehold, N. J. ..... Adv. Feb. 12.	Feb. 12
Mar. 3	Bituminous Material — Virginia ..... Adv. Feb. 12.	Feb. 12

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Mass., Fitchburg—City Council plans new reservoir for water supply. $350,000. D. A. Hartwell, comr. Dept. Pub. Wks.

Mass., Stoughton—Plans extending water system on Washington, Central and Pratt Sts. $15,000. Engineer not selected.

Md., Hagerstown—Making plans filtration plant. C. E. Kountz, archt.

N. C., Franklinton — Plans enlarging waterworks, incl. dam, intake and filter plant. A. S. Joyner, mayor.

La., Donaldsonville — Plans improving waterworks. $60,000.

La., Gretna — Defeated $165,000 bonds for waterworks and sewerage systems. T. Payne, Jefferson Bank Bldg., Algiers, consult. engr. Noted Oct. 23.

La., Jonesville — Voted $40,000 bonds waterworks and electric light system. Noted Jan. 22.

Tenn., Chattanooga — City Water Co. plans 6 or 7 mi. main extension, hydrants, etc., in city and suburbs. $60,000. A. F. Porzelius, 10th and Market Sts., supt. Noted Jan. 15.

Tenn., Milan—Voted $40,000 bonds, extending waterworks and electric light plant. Noted Jan. 29.

Tenn., Nashville — City appropriated $100,000 for new water meter, chemicals for filtration plant, cleaning reservoir basin, etc. H. E. Howse, mayor. Noted Nov. 20.

Mich., Springwells—B. P. Esper, city clk., taking bids and opens same about Feb. 20. 2,500 ft. 36 in. c.i. mains. $25,000. Hubbell, Hartgering & Roth, 2348 Penobscot Bldg., Detroit, engrs.

Minn., St. Paul—Plans watermain extension to Midway industrial dist. $65,000. G. M. Shepard, city engr.

Kan., Norcatur — Election soon $40,000 bonds for waterworks, incl. pumping equipment, tank on tower, distribution lines, etc. C. A. Haskins, 822-24 Finance Bldg., Kansas City, Mo., engr.

Tex., Carrolltown—Election soon $40,000 bonds for sewerage system. Municipal Eng. Co., Praetorian Bldg., Dallas, engrs.

Tex., Comanche—Making plans additional mains, pumping equipment, etc. $70,000 bonds voted. Jno. B. Hawley, 403 Cotton Exch. Bldg., Ft. Worth, engr.

Tex., Lamesa—Making plans waterworks improvements $73,000; also sewerage system $17,000. Hawley & Roberts, Cotton Exch. Bldg., Ft. Worth, engrs. Noted Feb. 5.

Tex., Magnolia Park—Election Feb. 24, $50,000 bonds, waterworks improvements. Engineer not selected.

Tex., Mexia—Voted $40,000 bonds for reservoir. Engineer not selected. Noted Jan. 15.

Tex., Pharr — Voted $20,000 bonds for waterworks improvements, incl. mains, pumping equipment, etc. Engineer not selected.

Tex., Stratford — Voted $20,000 bonds, complete water and light plant, incl. pumping equipment, well, mains, etc. Engineer not selected.

Tex., Teague — Plans election $60,000 bonds, for waterworks. J. B. Hawley, Cotton Exch. Bldg., Ft. Worth, engr.

Waterworks (Continued)

Tex., Wellington — Made preliminary plans extending distribution system. $40,000. L. J. Leggitt, Wellington, engr.

Okla., Lawton—Election Feb. 26, $80,000 bonds for rapid sand filter plant. H. G. Olmsted, 2239 West 18th St., Oklahoma City, engr.

Okla., Tonkawa—Election Feb. 10, $80,000 bonds for dam across Chickasha River, 11,900 f.t 6- to 10-in. c.i. mains, motor driven pumps, settling basins, filter plant, pumping equipment, valves, etc. Ruckel Eng. Co., Interurban Bldg., Hutchinson, Kan., engr. Noted Jan. 8.

Calif., Pasadena—City plans to purchase 200 tons 4, 6 and 8 in. Class "C" c.i. pipe. B. Chamberlain, city clk.

Ont., Hamilton—Making plans extending mains. $50,000. W. L. McFaul, city engr.

Ont., London — Utilities Comn., E. V. Buchanan, genl. mgr., plans extending mains. $100,000.

Ont., Ottawa — Plans 20,000 lin. ft. c.i. mains in various streets, $75,000, and installing ⅝ in., ¾ in. and 1 in. water meters, $30,000. A. F. Macallum, city engr.

Ont., Waterford—Making plans waterworks system, c.i. mains, hydrants, centrifugal pumps, reservoir, etc. $50,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS DESIRED

Mass., Boston—Feb. 18, by Supply Dept., City Hall, 150,000 lb. sidewalks castings, 200,000 lb. frames and covers, and 100,000 lb. iron castings, flanged frames, etc., to Dept. Pub. Wks., Water Serv. F. P. Rock, supt.

Mass., Boston—Feb. 19, by Supply Dept., City Hall, 480,000 lb. gate and hydrant iron, and 57,000 composition castings, to Dept. Pub. Wks., Water Serv. F. P. Rock, supt.

Mass., Springfield—Feb. 26, by Bd. Water Comrs. of Springfield Municipal Water Works, Municipal Bldg., furnishing c.i. water pipe, B. & S. bends, etc., f.o.b. Armory. H. M. King, Supt.; adv. E. N.-R. Feb. 12.

N. Y., Buffalo—Feb. 13, by Comr. Pub. Wks., furnishing 3,000 ⅝ in., 100 ¾ in., 200 1 in. and 25 1½ in. corporation cocks.

S. C., Clinton—Feb. 16, for 8 x 100 x 100 rein-con. raw water settling basin. J. N. Johnston, city engr.

La., Mansura—Feb. 25, by Mayor and Bd. Aldermen, one 50 hp. and one 100 hp. crude oil engines, centrifugal pump, concrete reservoir, elevated tank and tower, etc. F. P. Joseph, Glenmora, consult. engr.; adv. E. N.-R. Feb. 12.

O., Grandview Heights (mail Columbus)—Feb. 18, by E. A. J. Gross, village clk., 2,356 ft. 4 and 6 in. watermains and 1,362 ft. 8 in. sanitary sewer in Ricketts and Ady's Fairday addition and 2nd Ave., also 735 ft. 12- to 15-in. storm sewer in Gladden Rd. Burgess & Niple, 223 East Broad St., Columbus, engrs. Noted Nov. 13.

O., Piqua—Mar. 10, at office H. A. Lines, dir. Pub. Serv., constructing intakes, screen chamber, low service pumping station, etc. W. G. Clark, 1046 Spitzer Bldg., Toledo, and C. P. Hoover, 186 West Spring St., Columbus, consult. engrs.; adv. E. N.-R. Feb. 12.

O., Westerville—See "Sewers."

Wis., Menasha—Feb. 17, by J. F. DeCaro, city clk., approximately 253 tons 6 and 8 in. c.i. mains, etc., in various streets, (city to furnish pipe). To exceed $15,000. A. McMahon, City Hall, engr.

Neb., Fall City—Feb. 25, by City Clerk, concrete pumphouse, 2 centrifugal pumps, 750 and 500 g.p.m. capacity, concrete intake on Nemeha River, etc. Prince-Nixon Eng. Co., Omaha, engrs. Noted Dec. 25.

Okla., Morrison—Feb. 18, by City Clerk, well, tank on tower, pumps, valves, mains, etc., for Water Dept. $27,000. H. G. Olmsted, 2230 West 18th St., Oklahoma City, engr. Noted Feb. 5.

Neb., Stanton—Feb. 17, by W. E. Cook, city clk., one 350 g.p.m. triplex pump, two 8 in. wells, 60 ft. deep, etc.

Calif., Sacramento—Taking bids replacing wooden underdrains with 6,000 lin.ft. galv. steel pipe in north wing of filter beds for filtration plant. A. J. Wagner, city engr.

BIDS RECEIVED

N. Y., Buffalo—W. F. Schwartz, comr. Pub. Wks., filter sand and gravel for filter plant, Contr. 23, from Pitt Constr. Co., Fulton Bldg., Pittsburgh, Pa., $63,900. Noted Jan. 15.

N. Y., Buffalo — Commmissioner Pub. Wks., c.i. pipe and special castings from Bowler Fdry. Co., 4255 East 49th St., Cleveland, O., $99.50 per ton, from J. B. Clow & Sons, 534 South Franklin St., Chicago, Ill., 4 in. pipe $55, 6- to 16-in. pipe $51, and fittings $107.50 per ton; 150 hydrants with 5 ft. stand pipe, from Darling Valve & Mfg. Co., Williamsport, Pa., $10,913; gate valves, from Michigan Valve & Fdry. Co., 3631 Parkinson Ave., Detroit, Mich., $18,018. Noted Jan. 29.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply Gas & Electricity, Municipal Bldg., New York City, Feb. 3, mains in Skillman and 4th Aves., Bliss and Carolin Sts., etc., here, from J. A. Gregory, 351 East 124th St., New York City, $12,209. Noted Jan. 29.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Feb. 3, mains in Barnes, Blondell, Brady, Cromwell, Duryea, Fowler, LaSalle and Manning Aves., from Norton Eng. & Contg. Co., 510 West 149th St., $17,860. Noted Jan. 29.

O., Cincinnati — City, c.i. pipe, special castings and valves, etc., in connection with water distribution system in various streets during 1925, from M. F. Quill & Sons, 4 Gerke Bldg., $84,020. Engrs. est. $75,000.

Wis., Kenosha—C. M. Osborn, city mgr. Jan. 30, from American Cast Iron Pipe Co., 38 South Dearborn St., Chicago, Ill., 496 tons Class B water pipe $48.48 per ton. Noted Jan. 22.

Kan., Cuba—L. V. Opocensky, city clk., Jan. 27, 20,436 ft. 2- to 8-in. c.i. mains in various streets, 8,675 lb. specials, 32 gate valves and boxes, 21 fire hydrants, 50,000 gal. tank on tower, pumping station, etc., from Burt & Tripp, Hutchinson, $27,493. Noted Jan. 22.

Wash., Tacoma—City Comrs., Jan. 20, 4, 6, 8, 18 and 24 in. c.i. pipe for water system, from U. S. Iron & Pipe Fdry. Co., Tacoma, $32,352. Engrs. est. $42,000.

CONTRACTS AWARDED

New York—Bd. Water Supply, Municipal Bldg., Park Row, Centre and Chamber Sts., New York City, constructing Sect. 1 Williamsburg Conduit, portion of city conduits, of Catskill Aqueduct, Contr. 219, to Beaver Eng. Co., 57 Chambers St., New York City, $1,010,000; Sect. 2, in Brooklyn and Queens Boros, Contr. 218, to P. F. Connolly Co., Stapleton, $1,597,121. Noted Feb. 5 and 12.

Pa., Phila. — Dept. Pub. Wks., Bureau Water, Contr. 734, to M. J. McCrudden, 1134 Real Estate Trust Bldg., $9,110; Contr. 735, to M. and J. B. McHugh, 892 North Markoe St., $200,696. Noted Jan. 22.

La., Baton Rouge—Comn. Council, City Hall, pumping station at University Lake, to Rutter & Pannell, Brookhaven, Miss., $7,500. Noted Jan. 15.

O., Cincinnati—Ctiy, furnishing and delivering c.i. pipe, special castings during 1925, for water distribution system, to U. S. Cast Iron Pipe Co., Addston, $46,305. Engrs. est. $50,000.

Mich., Detroit—Water Bd. will lay 5,702 ft. 8 in. c.i. mains in Magnolia Blvd., Albion and Wyoming Aves., and 2,641 ft. 6 in. c.i. mains in Heliotrope Ave., by day labor. G. H. Fenkell, 232 East Jefferson Ave., genl. mgr.

Mich., Escanaba — Additional pumping equipment, to Allis Chalmers Mfg. Co., Greenfield Ave., West Allis, Wis., $6,081.

S. D., Faulkton—To Norbeck & Co., Redfield, well $10,485, pump and engine house $950; to Beecher-Cumming Co., 116 South 8th St., Minneapolis, Minn., pump $3,500; to G. B. Tuttle, Mitchell, 3,150 lin.ft. 4 and 6 in. c.i. pipe, about $4,000.

Tex., Edinburg—Hidalgo Water Impvt. Dist. 4, pumping plant, 2,000 hp. full Diesel engines and centrifugal pumps to deliver 337.5 second ft., etc., in connection with irrigation project in Hidalgo Co., to Fairbanks-Morse & Co., North Market St., Dallas, $129,050.

Wash., Port Angeles — For dam, headworks, 37,000 lin.ft. 20 and 24 in. pipe, 6 m.g. concrete reservoir, earth embankment type incl. 1,800 cu.yd. concrete, 4,000 lin.ft. 20 in. pipe, 11,000 lin.ft. 4- to 16-in. wood pipe, to Morse & Wiley, Alaska Bldg., Seattle, $278,000. Engrs. est. $300,000.

Wash., Wapato—City Council, water system, incl. distribution mains, laterals, replacing wood pipe with iron, to R. A. Geary, Yakima, $36,694. Engrs. est. $40,000.

B. C., Point Grey — Municipality, furnishing 3,500 ft. four, 20,000 ft. six, 6,000 ft. eight and 750 ft. ten in. c.i. pipe, to Gordon & Belyea Ltd., 157 Alexander St., Vancouver, $27,575; laying same will be done by day labor. W. B. Greig, 5831 West Blvd., Vancouver, engr.

Sewers

PROPOSED WORK

N. J., Little Falls — Takes bids about April 15, extending sewers and constructing sewage pumping station. $145,000. H. J. Harder, 129 Market St., Paterson, engr.

Tenn., North Chattanooga — Corporation of North Chattanooga plans election $100,000 bonds for sewers in new territory to be annexed. S. Beck, mayor.

O., Barberton—Takes bids in spring storm water sewer in High St. $35,000. H. Alcorn, Barberton, engr.

Mich., Birmingham—**Making plans 16,250** ft. 8- to 18-in. vitr. lateral sewers in Baldwin, Hazelwood, Greenwood, Woodland, Ferndale, Oakland and Park Sts., et al. $44,000. H. Starr, village mgr.

Ia., Atkins — Making plans sanitary sewerage system and disposal plant. $30,000. H. R. Green, 417 1st Ave., Cedar Rapids, engr.

Tex., Lamesa—See "Waterworks."

Tex., Magnolia Park—Election Feb. 24, $350,000 bonds for storm sewers and $50,000 bonds for sanitary sewers in various streets. Engineer not selected.

Calif., Hermosa—Plans election $200,000 bonds for sewer laterals.

Calif., San Diego—Common Council plans sewers in South La Jolla and La Jolla Strand, 18,155 lin.ft. 6 and 8 in. concrete pipe, 50 manholes, 20 dead ends, 2 settling tanks, etc. F. A. Rhodes, city engr.

Ont., Hamilton — Making plans storm sewers in Maple Ave. $42,000. W. L. McFaul, city engr.

Ont., Listowel—Plans 10,000 lin.ft. vitr. tile sewers in various streets. $25,000. Engineer not selected.

Ont., Toronto—York Twp. plans 6,700 ft. 36 in. concrete sewer and 300 ft. brick tunnel in Rockliffe Blvd. to Humber River. $75,000. James, Proctor & Redfern, 36 Toronto St., engrs.

Ont., Toronto — York Twp. plans 10,000 ft. 8- to 30-in. vitr. tile and concrete sewers in Caledonia and McRoberts Aves. $15,715, Cherrywood Ave., Rushton Rd. and High St. $16,920, Gilbert and Corby Aves. $11,965. F. B. Goedike, 40 Jarvis St., engr.

Ont., Toronto—Soon takes bids 12,000 ft. 8 in. and up vitr. tile sanitary sewer in Kane, Blackthorn, Helen, Chambers and Rosethorn Aves. $30,000. R. C. Harris, city engr.

BIDS DESIRED

N. Y., New York—Feb. 16, by J. Miller, pres. Manhattan Boro, Municipal Bldg., sewers in Laurel Hill Terrace, etc.

N. Y., New York—Feb. 19, by H. Bruckner, pres. Bronx Boro., 3rd and Tremont Ave., sewer in Sheridan Ave.

N. J., Dover—Feb. 19, by Sewer Com. of Mayor and Bd. Aldermen, Municipal Bldg., North Sussex St., house connections to sewerage system in Blackwell St., etc. Clyde Potts, 30 Church St., New York City, engr.

O., Grandview Heights (Mail Columbus)—See "Waterworks."

O., Toledo — Feb. 16, by Comrs. Lucas Co., 14,242 ft. 6- to 12-in. vitr. sewers in Wernerts addition, Sanitary Sewer 97, $65,000; 3,650 ft. 6 and 8 in. vitr. sewer in Owen's addition, Sewer 95, $10,161. C. L. Sawyer, Toledo, co. surv. Noted July 10.

O., Westerville—Mar. 5, at office of R. Biehl, city mgr., 2,000 ft. each vitr. sewers c.i. watermains; adv. E. N.-R. Feb. 12.

Ill., Decatur—Mar. 9, by Bd. Trustees Sanitary Dist., Citizens Bank Bldg., 4,200 ft. intercepting sewer, and 1,900 ft. overflow sewer, etc. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, consult, engrs.; adv. E. N.-R. Feb. 12.

Ill., Urbana—Mar. 10, by Bd. Trustees Udbana & Champaign Sanitary Dists., at office of W. G. Spurgin, atty., Masonic Temple, 7,000 ft. 8- to 12-in. sewers. P. W. Wright, pres.; adv. E. N.-R. Feb. 12.

Calif., Burbank—Feb. 17, by City Council, sewers in 96 blocks various streets from Alameda to Walnut Aves., 101,740 ft. 8 in. and 2,516 lin.ft. 10 in. vitr. pipe, 3,228 ft. 8 x 6 in., and 40 ft. 10 x 6 in. vitr. pipe Y or T branches, 7,200 lin.ft. 6 in. vitr. house sewers, etc. A. J. Rose, city engr.

BIDS RECEIVED

N. Y., Buffalo—Comr. Pub. Wks., 42 and 48 in. segment block sewer in St. Lawrence Ave., from J. Ritzman, 84 Longview Ave., $10,990; 27, 30, 36 and 42 in. segment block and 18, 20 and 24 in. tile sewer in Race and Clayton Sts., from J. M. Fahning, Buffalo, $21,700; 10, 12, 15 and 18 in. tile sewer in Okell St., from W. W. Kimmins & Son, Buffalo, $3,959; 42 and 48 in. segment block sewer in Starin Ave., and 10, 12 and 15 in. tile sewer in street running between Choate Ave. and Belvedere Rd., and in Belvedere Rd., from Dar & Co., 654 Main St., $8,890 and $3,914 respectively. Noted Jan. 29.

Calif., Ripon—Ripon Sanitary Dist., constructing sewerage system and sewage disposal plant consisting of 6-8 and 12 in. pipe flush tanks and Imhoff tanks, from W. J. Tobin, 527 Santa Ray Ave., Oakland, $28,600. Noted Jan. 1.

Sewers (Continued)

CONTRACTS AWARDED

O., Akron — City, sewer in Coitsville Sewer Dist. 8, to R. O'Hara, Akron, $29,750. Engrs. est. $35,000.

Tex., Amarillo—Storm sewer from 10th St. to Lake east of here, to D. S. Reed Constr. Co., Denver, Colo., $22,148. Engrs. est. $25,000.

Wash., Longview—City Comrs., 580 ft. 10 in. and 3,250 ft. 8 in. rein.-con. sewers, etc., in Hemlock St., Kessler Blvd. and Washington Way, to Olympic Constr. Co., 1326 North Lake St., Seattle.

Calif., Santa Barbara — Concrete sewers in Garden and Equestrain Sts., also East Blvd. interceptor sewer, to J. T. Cornwall, 227 Equestrain St., $74,831. Noted Feb. 5.

Waste Disposal

PROPOSED WORK

N. Y., New Dorp (Sta. Staten Island) — J. A. Lynch, pres. Richmond Boro., Boro Hall, St. George, rejected bids Jan. 21, garbage disposal plant, runway furnaces, etc. Noted Jan. 29.

Md., Baltimore—Mayor and City council, having plans prepared 2 story incinerator plant, Ostend and Russell Sts. $100,000. S. Purcell, City Hall. ch. engr.

Ont., Toronto—York Twp., 40 Jarvis St., making plans concrete, brick and steel garbage incinerator, Southworth Ave. $30,000. F. B. Goldike, twp. engr.

BIDS RECEIVED

Mass., Lynn—H. G. Johnson, city purch. agt., City Council Chambers, rein.-con. and brick incinerator plant, from Davis Incinerator Co., 15 East 40th St., New York City, $72,350. Noted Feb. 5.

Bridges

PROPOSED WORK

N. J., Allenhurst—Bd. Freeholders Monmouth Co., Freehold, plans concrete bridge on Main St., here. $35,000. G. K. Allen, Jr., Broad St., Red Bank, engr.

N. J., Matawan—Bd. Freeholders Monmouth Co., Freehold, plans concrete bridge on Main St., here. $25,000. G. K. Allen, Jr., Broad St., Red Bank, engr.

Md., Baltimore—Mayor and City Council having plans prepared concrete and steel bridge on Rogers Ave. $100,000. B. L. Crozier City Hall, engr.

Miss., Biloxi—Harrison Co. election Feb. 28, $450,000 bonds for rein.-con. bridge with 24 ft. roadway and 5 ft. sidewalks, across Back Bay of Biloxi. Engineer not selected. Noted Jan. 29.

Wis., Beloit—City Council making plans concrete or steel bridge over Rock River, at Portland Ave. $100,000-$135,000. Marsh Eng. Co., 205 Masonic Temple, Des Moines, Ia., engrs. Noted Jan. 29.

Minnesota and Wisconsin—Twin Ports Bridge Co., 511 Lyceum Bldg., Duluth, Minn., had plans prepared 200 ft. lift span steel bridge, 24 ft., rein.-con. abutments on pile foundations, across St. Louis River, connecting Duluth, Minn., and Superior, Wis. $500,000. Roland Buck, Inc., 15-16 U. S. Natl. Bank Bldg., Superior, Wis., engr.

Minn., Brushvale—Wilken Co. (Breckenridge), Minn., and Richland Co. (Wahpeton), N. D., plan 100 ft. steel span bridge, 18 ft., with 20 ft. approach on east side, and three 30 ft. approaches on west side, also concrete roadway over Red River of the North, about 1 mi. north of here. $40,000.

Kan., Wichita—Santa Fe R.R. Co., Union Station, H. W. Wagoner, ch. engr., made plans viaduct over railroad tracks at 37th St. and Lawrence Ave., and Sedgwick Co., M. Roseberry, co. engr., made plans for approaches to same. $130,000.

Calif., Wheatland — Yuba Co. (Marysville) and Sutter Co. (Yuba City) plan bridge over Bear River west of here. $40,000 or more.

BIDS DESIRED

S. C., Charleston—Mar. 5, at office Sanitary and Drainage Comn., 39 Broad St., viaduct over Atlantic Coast Line R.R. and Southern Railway tracks at Five Mile, near here; adv. E. N.-R. Feb. 12.

S. C., Lancaster—Feb. 27, by Bd. Comrs. Lancaster Co., 4 rein.-con. deck girder bridges and culverts. Carolina Eng. Co., 917-919 Johnston Bldg., Charlotte, N. C., engrs.

Ohio—See "Streets and Roads."

Is., Marion—Feb. 17, by G. A. Senninger, aud. Lynn Co., at Court House, bridges and culverts in Franklin, Linn, Boulder, Clinton, Spring Grove and Fayette Twps. R. W. Gearhart, Marion, engr.

Arkansas—Feb. 16, by State Hy. Comn., Little Rock, one 80 ft. steel truss and three 20 ft. concrete approach spans on concrete piers and abutments, over Prairie Creek, 52,500 lb. structural steel, 23,163 lb. reinforcing, etc. R. C. Limerick, highway engr.

Tex., Sonora—See "Streets and Roads."

Colorado—Feb. 17, by State Hy. Dept., Denver, 325-ft. steel bridge over Apishapa River, and 30 ft. bridge over nearby canal with gravelled approaches. $70,000. L. D. Blauvelt, State Office Bldg., Denver, engr.

Idaho — Feb. 18, by Commissioner Pub. Wks., Boise, one 114 ft. bridge over New York Canal, and one 108 ft. bridge over Ridenbaugh Canal, both concrete, 24 ft. 563 cy.yd. concrete, 86,444 lbs. reinforcing.

California—Feb. 24, by State Hy. Comn., Sacramento, one 30 ft. and three 60 ft. span, rein.-con. girder bridge over Ventura River, Ventura Co. R. M. Morton, highway engr. Noted July 10.

BIDS RECEIVED

North Carolina — State Hy. Comn., Raleigh, rein.-con. bridges and culverts on States Project 284, Wayne Co. and State Project 642, Iredell Co., from J. S. Bowers, Whiteville, $35,192 and $55,469 respectively. Noted Jan. 22.

S. C., Saluda—See "Streets and Roads."

Missouri—State Hy. Dept., Jefferson City, seven 24 ft. rein.-con. slab spans over stream, Shannon Co., from Summerfield-Jones Co., Billings, $10,359; nineteen 20 ft. rein.-con. slab spans, etc. over overflow Medicine Creek, Livingston Co., from Pittsburg-Des Moines Steel Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., $24,681; two 80 ft. steel truss spans, etc. over Medicine Creek D. D., Livingston Co., from Pioneer Constr. Co., 101 New York Life Bldg., Kansas City, $35,223; one 20 ft. rein.-con. arch span over Ervin Creek, and one 80 ft. rein.-con. arch span over Bear Creek, both Polk Co., from R. H. Sharp, Reeds Spring, $2,899 and $8,457 respectively; one 80 ft. steel truss span, etc. over Sugar Creek, Lewis Co., from Farrell & Dubronvillett, Linn, $11,781; one 130 ft. steel truss span, etc. over Bear Creek, Cedar Co., from N. A. Christy, Warsaw, $8,813; three 35 ft. rein.-con. deck girder spans, etc. over Piney Creek, Oregon Co., from C. F. Johnson & Sons, Buffalo, $5,538; three 18 ft. rein.-con. slab spans etc. over Culp Branch, Oregon Co., from A. L. Cook, Ottawa, $3,239. Noted Jan. 22.

CONTRACTS AWARDED

N. Y., New York—M. W. Mills, comr. Plants & Structures, Municipal Bldg., Roosevelt Ave. Bridge over Flushing River, to A. McMullen Co., 50 Church St., $2,625,000. Noted Jan. 22.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, bridge to have 19 concrete girder approach and one 100 ft. steel truss spans over Harpath River, Federal Aid Project 205, Cheatham Co., to Montgomery & Parker, Rockport, Ind., $62,051. Noted May 1.

Tenn., Nashville—City and Louisville & Nashville R.R. Co., 10th and Bway., Louisville, Ky., will build concrete viaduct over railroad tracks at Chestnut St., by force account. $32,000. W. W. Southgate, city engr. W. H. Courtnay, ch. engr. railroad. Noted July 17.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, three 50 ft., two 9 ft. and one 50 ft. concrete span bridges, on Route 23, Sect. 23-B, McHenry Co., to Lyon & Gearhart, Robinson, $23,071; 2 concrete bridges and 1 concrete bridge extension, on Route 30, Sect. 10-B, Stark Co., to A. P. Munsen, Marion, Ia., $29,882. Noted Nov. 27.

Dam

PROPOSED WORK

N. C., Franklinton—See "Waterworks."

Calif., Grass Valley — See "Excavation, Drainage, Irrigation, Levees."

Calif., Hollister—See "Excavation, Drainage, Irrigation, Levees."

Railways

PROPOSED WORK

Oklahoma—Oklahoma Union R.R. Co., 103 West 4th St., Tulsa, making preliminary surveys 26 mi. railroad extension from Mounds to Okmulgee. $275,000. R. V. Martin, Sapulpa, genl. mgr. W. Matthews, ch. engr.

Ontario—Temiskaming & Northern Ontario Ry., North Bay, plans extending Kirkhead Lake Branch into Rouyn Mining Dist., 20 mi. $800,000. S. B. Clement, ch. engr.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Nebraska—Dixon Co. (Ponca) and Cedar Co. (Hartington) plan reclaiming 20,000 acres, incl. drain ditch 20 mi. long, 25 ft. wide on top. $200,000. H. Rettinghouse, 923 East Dakota Ave., Sioux Falls, S. D., engr.

Calif., Grass Valley — Nevada Irrigation Dist. plans election $7,200,000 bonds irrigation works, incl. Mountain Division, Jackson Meadows Development, rock fill dam 143 ft. high, with roadway, outlets and controls, etc., $1,566,840; Milton Bowman Division, 23,400 ft. tunnel, conduits, etc., $1,181,000; Bowman and Spaulding conduit and outlets, $975,600; 590,600 lin ft. canals also flumes, check gates, diversion dam, etc., $1,829,000. F. H. Tibbetts, Alaska Commercial Bldg., San Francisco, engr.

Calif., Hollister — Hollister Irrigation Dist. plans election $1,500,000 bonds for canal systems, 3 earth filled and 2 rein.-con. multiple storage dams, etc. A. N. Burch, Hollister, engr.

Calif., Modesto — Plans election $25,000 bonds, ditch and canal lining, for Modesto Irrigation Dist.

Ont., Parkhill—F. W. Farncombe, engr., Dominion Savings Bldg., London, takes bids about June 1, dredging Sable River, about 7 mi. cut, here, for McGillivary Twp. $75,000.

Ont., Saulte Ste. Marie — Dept. Pub. Wks., Parliament Bldg., Ottawa, plans excavating, dredging and deepening harbor channel and locks, here. $30,000. K. M. Cameron, Hunter Bldg., Ottawa, engr.

BIDS DESIRED

Calif., Oroville — Feb. 18, by Directors Oroville-Wyandotte Irrigation Dist., ditch cleaning and 1,000 cu.yd. earth, 1,000 cu. yd. loose and 2,000 cu.yd. solid rock excav.; also 1,725 ft. continuous r.r. stave or riveted slip-joint pipe and fittings, and 60 tons concrete pipe. S. J. Norris, Oroville, engr. for district.

Calif., San Francisco—Feb. 19, by State Bd. Harbor Comn., Ferry Bldg., dredging, rock work, piling, etc., Islais Creek Reclamation project. $500,000. F. G. White, Ferry Bldg., ch. engr. Former bids returned unopened. Noted Dec. 18.

Calif., Waterford—Waterford Irrigation Dist., taking bids 2.5 mi. canals, 9,000 cu. yd. earth and soft rock excav.

BIDS RECEIVED

N. J., Trenton—Bd. Commerce & Navigation, State Hy. Dept., Trenton, Feb. 3, dredging section of inland waterway to connect Barnegat Bay with Manasquan Inlet, Monmouth Co., from Delaware Dredging Co., 139 South 3rd St., Phila., Pa., at $0.64 per sq.yd. Noted Jan. 15.

CONTRACTS AWARDED

Calif., Merced—Directors Merced Irrigation Dist., constructing and enlarging canals, Schedule 1, 110,000 cu.yd. excav., and Schedule 5, 38,000 cu.yd. excav., to J. Phillips, 637 Santa Ray Ave., Oakland, at $0.14 per cu.yd., total $15,400 and $5,320 respectively; Schedule 2, 27,000 cu.yd. excav., to C. E. Murray, Modesto, $0.22, total $5,940; Schedule 3, 40,000 cu.yd. excav. and Schedule 4, 35,000 cu.yd. excav., to M. J. Bevanda, Fresno, at $0.1115 and $0.125 per cu.yd., total $4,600 and $4,375 respectively; Schedule 6, 2,000 cu.yd. excav. and 13,000 sq.ft. concrete lining, to Carlson Bros., Turlock, $1,750; Schedule 7, 2,000 ft. 30 in. concrete pipe, to Merced Concrete Pipe Co., Merced, $7,802; Schedule 8, furnishing 120 ft. Oregon pine and 140 raw wood timber, to Redwood Mfg. Co., Hobart Bldg., San Francisco, $5,088. Noted Feb. 5.

Calif., Tracy—Banta—Carbona Irrigation Dist., San Joaquin Co., W. Schlossman, secy., to G. Thoming, Jr., Patterson, main lateral system, approximately 150,555 ft. canal, 6 ft. bottom, average cut 4 ft., 260,000 cu.yd. earth embankment $0.14 per cu.yd., 8 in. drainage culverts (owner furnishes pipe) $600, extra work at cost plus 10%.

Streets and Roads

PROPOSED WORK

Mass., Newton (Boston P. O.) — H. E. Warren, 920 Centre St., making plans laying out and constructing Glen and Westminster Rds. $25,000. H. W. Morton, 308 Boylston St., Boston, engr.

Streets and Roads (Continued)

Mass., Norwood—Bd. of Selectmen plans widening Nichols St. and extending and constructing Nichols and Elliot Sts. $25,000. Engineer not selected.

N. J., Princeton — Boro. Council plans paving and improving various streets. $50,000. B. Franklin, pres. Engineer not selected.

Pa., Lewistown—Plans brick or concrete paving 4,000 ft. Valley, Oak, East and West Walnut Sts., 22 ft. $40,000. H. E. Fetterolf, secy. boro council.

Md., Baltimore — Making plans sheet asphalt paving and widening Pennsylvania Ave., York, Belair and Harford Rds. S. Rowland, 214 East Lexington St., acting chn. Paving Comn.

Fla., Madison—Plans election $20,000 bonds for paving various streets. Total cost $60,000. E. J. Harris, mayor.

Miss., Gulfport — Harrison Co. election Feb. 28, $750,000 bonds, concrete or asphalt surfacing 39 mi. various roads, and $300,000 bonds, gravel or crushed oyster shell surfacing 66 mi. various roads. Engineer not selected. Noted Feb. 5.

Miss., Jackson—Hinds Co. voted 2,000,000 bonds for road work. Noted Jan. 22.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, takes bids about April 1, grading, bridges, etc., on 15 mi. Helenwood-Kentucky State line Rd., Scott Co. J. G. Creveling, highway comr. Noted Oct. 30.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 5 mi. Bluff City-Carter Co. line Rd., Sullivan Co., and 12 mi. Cleveland-McMinn Co. line Rd., Bradley Co. J. G. Creveling, highway comr.

Tennessee—State Dept. Hys. & Pub. Wks., Nashville, plans improving highway from Herbert Domain (State Reserve Forest), to Nashville, Chattanooga & St. Louis Ry. tracks. $25,000. A. Peay, Nashville, gov. J. G. Creveling, highway engr.

Tenn., Pulaski — Making plans rock asphalt on limestone macadam surfacing various streets. $100,000. B. H. Klyce & Co., 4th and 1st. Natl. Bank Bldg., Nashville, engrs.

O., Cleveland—Cuyahoga Co., takes bids in summer, brick paving 1 mi. Pearl Rd. $262,500. F. Lander, Court House, engr.

O., Massillon — Takes bids in spring improving Seneca St. $25,000; Overlook Dr. $25,000-$40,000; Milton St. $35,000. C. E. Rice, Massillon, engr.

Mich., Detroit — Making plans grading and paving with 3½ in. sheet asphalt on 8 in. concrete, 1,490 sq.yd. Gardendale Ave. $7,450, 4,180 sq.yd. Canterbury Ave. $20,900, 6,420 sq.yd. Pembroke Ave. $32,100, 1,960 sq.yd. Sheffield Ave. $9,800, 3,230 sq. yd. Shrewsbury Ave. $16,150, 7,776 sq.yd. Beaconsfield Ave. $38,880, 14,208 sq.yd. LaSalle Ave. $71,040, 2,274 sq.yd. Fordham Ave. $11,370, 6,364 sq.yd. Holmur Ave., Sect. 4 $31,820, 5,616 sq.yd. Prairie Ave., Sect. 3 $28,080, 2,860 sq.yd. Sharon Ave. $14,300, 1,948 sq.yd. Concord Ave. $9,740, 8,746 sq.yd. Quincy Ave. $43,730, 2,080 sq. yd. Gladys Ave. $10,400, 2,612 sq.yd. Hawthorne Ave. $13,060, 4,636 sq.yd. Wildemere Ave. $23,180, 1,180 sq.yd. Waverly Ave. $5,900, 2,410 sq.yd. Burt Ave. $12,050, 4,502 sq.yd. Bedford Rd. $22,510, 8,380 sq.yd. Fernhill Ave. $41,900, 748 sq.yd. Otsego Ave. $3,740, 5,176 sq.yd. Harford Ave. $25,870, 2,496 sq.yd. Birwood Ave., Sect. 1 $12,480, 7,988 sq.yd. Gallagher Ave. $39,940, 5,932 sq.yd. Lenox Ave. $29,660, 894 sq.yd. Blair Ave. $4,470, 1,860 sq.yd. Curt Ave. $9,200, 6,278 sq.yd. Carrie Ave., Sect. 2 $31,390, 4,070 sq.yd. Forestlawn Ave. $20,350, 2,256 sq.yd. Charleston Ave. $11,280, and 3,590 sq.yd. Birwood Ave. $17,950. G. Jerome, city engr.

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, rejected bids, concrete surfacing 6.1 mi. Route 43-A, Menard Co., 11.5 mi. Route 22, Sect. 20, Lake Co., 6.45 mi. Route 5, Sect. 31, Jo Daviess Co., and 4.28 mi. Route 3, Sect. 5, Cass Co. Noted Nov. 27 and Dec. 11.

Ill., Alton — Soon takes bids grading, hard-surfacing, etc. Brown St. $40,000. J. E. Schwaab, City Hall, engr.

Missouri—State Hy. Dept., Jefferson City, received no bids Jan. 31, 18 ft. asphaltic concrete, oil asphalt on stone surfacing 4.711 mi. St. Joseph-Gower Rd., Buchanan Co., and 113.76 mi. St. Joseph-Grayson Rd., Clinton Co.; 18 ft. amesite on sledged stone surfacing 5.686 mi. St. Joseph-Grayson Rd., Clinton Co., and 4.711 mi. St. Joseph-Gower Rd., Buchanan Co.

Tex., Corsicana — Making plans asphalt surfacing 10 blocks 13th, 2nd, 10th, West 7th and East 7th Sts. W. W. McClendon, Corsicana, engr.

Tex., Hebbronville—Jim Hogg Co. takes bids after Feb. 10, grading, etc., 6.91 mi. State Highway 12-A, Federal Aid Project 436-G, 16 ft., $35,000; grading, bridging and caliche surfacing 4.28 mi. State Highway 12-A, 18 ft., $27,000. E. J. Foster, 201 Valdez Bldg., Laredo, engr. Noted Jan. 8.

Tex., Kaufman — Kaufman Co. election Feb. 21, $65,000 bonds, improving highway radiating from here. Engineer not selected. C. Ashworth, judge.

Tex., Magnolia Park—Election soon $250,000 bonds, street improvements. Engineer not selected.

Tex., Pharr—Voted $25,000 bonds, surfacing various streets. Engineer not selected.

Tex., Yorktown—Making plans graveling and sewers in various streets. $30,000. Address City Secretary.

Okla., Ralston—Defeated $33,000 bonds, grading and paving 4 blocks Main St. and project will be dropped. Noted Dec. 25.

Arizona—State Hy. Dept., Phoenix, making plans asphaltic concrete paving 5 mi. Benson-St. David Rd., Cochise Co. W. C. LeFebvre, highway engr.

California—Los Angeles Co. (Los Angeles), making preliminary surveys paving approximately 30 mi. Atlantic Ave., between Pasadena and Long Beach, approximately 100 ft. G. Jones, Hall of Records Bldg., co. engr.

Calif., Alhambra—Making plans paving Main St. and Valley Blvd. from east to west city limits. $230,000 or more. M. H. Irvine, city engr.

Calif., Palo Alto—Made plans improving Alma, Bryant, Cowper, University Aves., etc., 500,000 sq.ft. concrete and 150,000 sq. ft. asphalt paving, 20,000 lin.ft. concrete curbs. To exceed $175,000. J. F. Bxybee, Jr., city engr. Noted Dec. 25.

Calif., San Diego—Common Council plans improving Bancroft, Kalmia, Maple and Nutmeg Sts., etc., 15,910 cu.yd. excav., 14,973 cu.yd. embankment, 11,344 ft. concrete curbing, 38,959 sq.ft. concrete sidewalks, etc. F. A. Rhodes, city engr.

Ont., Amherstburg—Anderdon Twp. plans to expend $26,000 for gravel and macadamizing various roads. A. C. Maillaux, clk.

Ont., Barrie—Town Council plans concrete pavements. $40,000.

Ont., Chatham—Kent Co. Council plans concrete paving Raleigh-Harwich town line. $50,000. A. Colby, County Bldgs., engr.

Ont., Guelph — Wellington Co. Council making plans concrete surfacing 4 mi. Guelph-Hamilton Highway, 25 ft. $110,000. S. Nicklin, Guelph, co. engr.

Ont., Leamington — Plans 12,000 sq.yd. permanent paving various streets. $35,000. J. J. Newman, Davis Blk., Windsor, engr.

Ont., Ottawa—Plans paving in Lindenlea Dist., O'Connor St. from Pretoria to 5th Aves., Rideau St. from Charlotte to Cummings Bridge, and Preston St. from Adeline to Carling St. $100,000. A. F. Macallum, City Hall, engr.

Ont., Ottawa—Carleton Co. takes bids in early spring, constructing new roads. $144,500. Patterson & Byrne, 71½ Sparks St., engrs.

BIDS DESIRED

N. Y., New York—Feb. 16, by J. Miller, pres. Manhattan Boro., curbing and flagging road from Northern Ave. to point 190 ft. westerly therefrom, also Chittenden Ave.; repaving Amsterdam and 34th St.; widening and repaving 14th St.

New Jersey—Mar. 2, by State Hy. Dept. Trenton, constructing Route 2 Sect. 4A, Burlington Co., Route 4 Sect. 27, and Route 4 Sect. 28, both Ocean Co. A. L. Grover, secy.; adv. E. N.-R. Feb. 12.

Pa., Greensburg—Feb. 27, at office Comrs. Westmoreland Co., reconstructing Bolivar-West Fairfield Rd., in Fairfield Twp. W. A. Arter, co. controller.

Wis., Menasha—Feb. 17, by J. F. DeCaro, city clk., curbing, guttering and concrete paving approximately 30,000 sq.yd. Tayco and Elm Sts. To exceed $25,000. A. McMahon, City Hall, engr.

D. C., Wash.—Mar. 3, by Dist. Comrs., Room 509 District Bldg., grading, improving and concrete paving various streets, roads and avenues; adv. E. N.-R. Feb. 12.

W. Va., Bluefield—Mar. 3, at office of C. E. Ridley, city mgr., Coal & Coke Bldg., removing old macadam surface, grading, concrete surfacing, etc., in Project 1, and grading, one course concrete surfacing, etc. Project 2; adv. E. N.-R. Feb. 12.

S. C., Winnsboro—Feb. 17, at office Fairfield Co. Hy. Comn., improving 12 mi. Longtown Rd., 84,055 cu.yd. common and 200 cu.yd. rock excav., 37,854 cu.yd. topsoil or 29,768 cu.yd. sand clay surfacing Lockwood, Greene & Co., Winnsboro, engrs.

Fla., Bartow—Feb. 16, by Bd. Comrs., Polk Co., A. T. Mann, chn., sheet asphalt paving 47.8 mi. road in Special Road and Bridge Dist. 11, 15 ft. $1,200,000. E. A. Plath, Bartow, engr.

Ohio—Feb. 20, by Dept. Highways and Pub. Wks., Columbus grading bridging and paving 47.352 mi. roads in Allen, Butler, Columbiana, Cuyahoga, Fairfield, Franklin, Madison, Ottawa, Scioto, Tuscarawas, Warren and Wyandot Counties, also bridge in Knox Co. A. V. Donaheys, div. highways.

O., Grandview Heights (mail Columbus) —Feb. 18, by E. A. J. Gross, village clk., improving with bituminous stone macadam, 400 ft. Gladden Rd., 850 ft. Timberman Rd., 1,336 ft. Haines Ave., 1,016 ft. Hope Ave., all 25 ft., asphaltic concrete or sheet asphalt paving 1,200 ft. Urlin Ave., 30 ft. Burgess & Niple, 223 East Broad St., Columbus, engrs.

Ill., Galesburg—Feb. 14, by Bd. Local Impvts., grading, curbing vitr. brick on 4 in. concrete surfacing, etc. 6,496 mi. East Knox St., $27,533, and 3,940 sq.yd. East Barren St. A. L. Richey, City Hall, engr. Noted Dec. 11.

Wis., Juneau—Feb. 24, by O. A. Schumacher, city clk., grading, curbing, guttering and paving 29,088 sq.yd. various streets, reinforced vibrolithic, rein.-con., creosoted block or Warrenite. To exceed $25,000. E. B. Parsons, Jefferson, engr.

Minn., Duluth — Mar. 30, by W. H. Tischer, city comr., curbing, concrete sidewalks and concrete paving 2,900 ft. Michigan and Superior Sts., 32 and 40 ft. respectively. $63,629. J. Wilson, city engr.

Arkansas—Feb. 20, by State Hy. Dept., Little Rock, grading and concrete surfacing Sect. A, Little Rock-Spring Lake Highway, Pulaski Co., 18,800 cu.yd. earth, 1,500 cu.yd. loose rock and 850 cu.yd. solid rock excav., 53,000 sq.yd. 5 in. concrete, etc. R. C. Limerick, highway engr.

Tex., Sonora—Feb. 17, by A. Johnson, judge Sutton Co., grading and surfacing 2.43 mi. with gravel and 4.45 mi. with crushed stone, and bridging 7.86 mi. State Highway 27, Federal Aid Project 425-A, 18 ft., $83,400; grading, crushed stone surfacing and bridging 10.84 mi. State Highway 27, Federal Aid Project 425-B, 18 ft., $82,800; grading, surfacing 5.19 mi. with gravel and 6.75 mi. with crushed stone and bridging 11.25 mi. State Highway 27, Federal Aid Project 425-C, 18 ft., $130,000. Noted Jan. 15.

Okla., Healdton — Taking bids grading and sheet asphalt surfacing 5,700 sq.yd. Central Ave. $28,816. C. Coon, 1820 North Bway., Oklahoma City, engr.

Idaho — Feb. 20, by District Engineer, Lewiston, or Commissioner Pub. Wks., Boise, grading and crushed stone surfacing, etc., 7.48 mi. Lewis and Clark Highway, Federal Aid Project 83-A. $95,000.

Idaho—Feb. 21, by District Engineer, Coeur d'Alene, or Commissioner Pub. Wks., Boise, grading and temporary surfacing 3.08 mi. Coeur d'Alene-Yellowstone Trail, Federal Aid Project 93-A, Kooteni Co. $50,000.

Nevada — Feb. 18, by State Hy. Comn., Carson City, improving road between Vista and Hafed, Washoe Co., 100,000 cu.yd. excav., 580 cu.yd. hand placed rock fill, 256,311 sta.yd. overhaul, etc. Owner furnishes gravel and sand for cement. G. W. Borden, Heroes Memorial Bldg., Carson City, highway engr.

Nev., Reno — City Council taking bids improving various streets, 65,000 sq.ft. concrete sidewalks, 39,000 ft. 8 ft. 6 in., and 4,000 ft. 2 ft. 6 in. concrete curb and gutter, 3,200 ft. 8 ft., and 500 ft. 6 ft. concrete gutter, 15,000 sq.ft. concrete paving. H. Chism, city engr.

Wash., Kalama—Mar. 2, by Comrs. Cowlitz Co., grading and gravel surfacing 8,556 sq.yd. Coweeman Rd. E. A. Middlebrook, Kelso, engr.

Calif., Eureka—Supervs. Humboldt Co., taking bids grading 2.5 mi. road between Arcata and Blue Lake, 17,000 cu.yd. excav. A. J. Logan, co. surv.

Calif., San Diego — Feb. 24, by A. H. Wright, city clk., improving 6th and Date Sts., 233,776 sq.ft. 2 in. asphaltic concrete on 3 in. bituminous, 2,641 sq.ft. concrete sidewalks, 915 ft. concrete curbs, etc. F. A. Rhodes, engr.

Calif., San Francisco—Feb. 18, by Bd. Pub. Wks., grading, artificial stone walks, concrete curbing, asphaltic concrete paving, etc., Judah St. between 31st and 41st Aves., $100,000 or more; grading and asphaltic concrete paving, etc., De Long St. between Orizabo and Liebig Sts., etc., to

Streets and Roads (Continued)

exceed $40,000. M. M. O'Shaughnessy, city engr. Noted Dec. 25.

BIDS RECEIVED

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, Feb. 4, asphalt repaving East 5th St., from M. J. O'Hara, 557 3rd St., $48,587, Sumner and Wilson Aves., from Highway Impvt. & Repair Co., 50 Church St., New York City, $166,388 and $35,015 respectively; asphalt resurfacing by heater method Adelphi St. and Foster Ave., from Cranford Co., 52 9th St., $82,188 and $84,556 respectively. Noted Jan. 29.

N. Y., St. George — Feb. 19, by J. A. Lynch, pres. Richmond Boro., grading and concrete paving Hylan Blvd.

S. C., Orangeburg—Orangeburg Co., sand clay surfacing 13.8 mi. State Route 1, State Project S-543, from G. F. Bamberg, Bamberg, $52,225. Noted Dec. 18.

S. C., Saluda—Saluda Co., grading 4.9 mi. State Route 19, State Project S-569-A, from M. M. Dorn, Augusta, Ga., $40,389; 153 ft. rein-con. bridge on above, from Rosier & Bramlet, Coronaca, $9,556. Noted Jan. 8.

S. C., Winnsboro—Fairfield Co., topsoil surfacing 9.4 mi. State Route 22, State Project S-535-A, from Nichols Contg. Co., 1 La France St., Atlanta, Ga., $95,871. Noted Jan. 8.

O., Cleveland — Grading, curbing and paving with (a) brick or (b) asphalt, from Baldwin Bros., 4500 Euclid Ave., Benham Ave. (a) $46,000 (b) $36,480, Parkhill Ave. (a) $45,303 (b) $37,158, Wayburne Ave. (a) $20,914 (b) $16,498, East 110th St. (a) $59,475 (b) $48,397, work involves 35,715 sq.yd. vitr. brick or asphalt paving, 23,988 lin.ft. stone curbing, 25,150 lin.ft. 4 in., drain tile gutter, 21,350 cu.yd. earth excav; from Roehl Bros., Denison Ave., West 110th St. (a) $24,760 (b) $20,513, Fortune Ave. (a) $52,709 (b) $43,161, Fidelity Ave. (a) $16,653 (b) $13,068, St. Mark Ave. (a) $40,237 (b) $33,273, West 136th St. (a) $29,094 (b) $22,933, 31,170 sq.yd. vitr. brick or asphalt paving, 19,540 lin.ft. stone curbing, 20,533 lin.ft. 4 in. drain tile gutter, 21,850 cu.yd. earth excav.

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, to Cameron, Joyce, Smith Elder Co., Keokuk, Ia., concrete surfacing 9.57 mi. Route 3, Sects. 11, 13 and 14, Rock Island and Whiteside Counties $185,000, 4.15 mi. Route 3, Sect. 25, Mercer Co. $91,194, 10.15 mi. Route 30, Sects. 11 and 14, Stark and Henry Counties $193,153, grading 46,380 cu.yd. Route 30, Sect. 10-A, Stark Co., incl., $25,762; to E. J. Elff Co., Quincy, concrete surfacing 6.84 mi. Route 36, Sect. 10, Adams Co., $136,413; to Indiana Road Paving Co., Rochester, Ind., 22.29 mi. Route 16, Sects. 8, 9, 10 and 11, Moultrie, Coles and Shelby Counties, $407,900; to W. C. Meneely Co., 1.67 mi. Route 2, Sect. 34, DeWitt Co., $41,-521, to J. F. Kelly & Co., Terre Haute, Ind., 12.1 mi. Route 16, Sects. 3, 4 and 5, Edgar and Coles Counties, $236,700, to O. Arnold, Casey, Ill., 8.18 mi. Route 33, Sect. 1, Crawford Co., $152,426, to Smith Bros., Inc., Amer. Exch. Bldg., Dallas, Tex., 29.92 mi. Route 9, Sects. 19-23 (inclusive), Ford and McLean Counties, $618,000; to Stephens Bros. & McCree & Co., St. Paul, Minn., 6.35 mi. Route 27, Sect. 4, Carrol Co., $147,048, and grading 153,220 yds. Route 36, Sects. 7-A, and 8-A, Adams Co., $95,630, to Divine Constr. Co., Watseka, grading and concrete paving 9.86 mi. Route 39, Sects. 10 and 11, DeWitt and Platt Counties, incl. three 35 ft. girder and one 70 ft. span steel bridge, $227,831. Noted Nov. 12 and Feb. 11.

Missouri—State Hy. Dept., Jefferson City, Jan. 31, from Bryant Paving Co., Waterloo, Ia., (a) 18 ft. asphaltic concrete fluxed natural asphalt on concrete (b) 18 ft. concrete (c) 18 ft. asphaltic concrete oil asphalt on concrete paving, St. Joseph-Grayson Rd., Clinton Co., 2.685 mi. (a) $52,043 (b) $32,617 (c) $48,087, 3.975 mi. (a) $59,-729 (b) $87,720 (c) $82,016, 1.715 mi. (a) $36,023 (b) $23,423 (c) $33,457, 3.001 mi. (b) $37,849 (c) $54,741, St. Joseph-Gower Rd., Buchanan Co., 4.711 mi. (a) $98,632 (b) $63,761 (c) $91,608; from Tibbetts Constr. Co., Edrington Bank Bldg., Ft. Worth, Tex., 18 ft. amesite on concrete surfacing 8.691 mi. St. Joseph-Grayson Rd., Clinton Co., $224,757, 4.711 mi. St. Joseph-Gower Rd., Buchanan Co., $125,556; from Land & Skibred, St. Joseph, grading and 18 ft. asphaltic concrete oil on sledged stone surfacing 4.716 mi. St. Joseph-Grayson Rd., Clinton Co., $120,241, 18 ft. asphaltic concrete oil on sledged stone surfacing 3.975 mi. St. Joseph-Grayson Rd., Clinton Co., $107,244; from A. A. Davis & Co., Gr. Exch., Oklahoma City, Okla., 30 ft. grading 1.614 mi. Summerville-Mt. View Rd., Texas Co., $27,611, grading and 12 ft. gravel surfacing 3.133 mi. Stockton-Fairplay Rd., Cedar Co., $32,715, 12 ft. gravel surfacing 4.489 mi. road from Elsinore south, Carter Co., $12,559; from Land Constr. Co., St. Joseph, grading and 18 ft. asphaltic concrete surfacing 3.351 mi. Edinburg-Trenton Rd. $139,131, 18 ft. asphaltic concrete surfacing 2.423 mi. road from Edinburg west, $80,072, both Grundy Co.; from J. P. Harlin, West Plains, 30 ft. grading 3.92 mi. road from Alton east, Oregon Co. $42,089, 12 ft. gravel surfacing 2.596 mi. road from Gainesville east, Ozark Co. $9,847; from E. C. Johnson, Carrollton, grading and 18 ft. rock ashalt surfacing 2.423 mi. road from Edinburg west, $68,-110, 18 ft. rock asphalt surfacing 3.995 mi. Edinburg-Trenton Rd. $114,418, both Grundy Co.; from L. A. Woods Constr. Co., Smithville, 18 ft. amesite on sledged stone surfacing 3.975 mi. St. Joseph-Grayson Rd. $103,296, 1.715 mi. St. Joseph-Grayson Rd. $43,439, both Clinton Co.; from J. L. Simons, La Plata, grading 4.54 mi. St. Joseph-Hannibal Rd., Livingston Co., $13,-590, from F. P. Eberhardt Paving Co., Salina, Kan., 3.975 mi. St. Joseph-Grayson Rd., Clinton Co. $12,030, from R. P. Harper Constr. Co., Leona, Kan., 4.032 mi. St. Joseph-Chillicothe Rd., Livingston Co. $29,-970, from Thomas & Johnston Constr. Co., Doniphan, 2.981 mi. road from Winona east, Shannon Co. $31,226, from Gaines Bros. & Co., Fairland, Okla., 4.898 mi. Warrensburg-Higginsville Rd., Johnson Co. $42,488, from T. J. Morris, Oregon, 2.936 mi. road from Savannah west, Andrew Co. $24,115, from Summerfield-Jones Co., Billings, 1.454 mi. road from Thayer south, Oregon Co. $12,928, from A. T. Patterson, Kansas City, 2.685 mi. St. Joseph-Grayson Rd., Clinton Co., and 4.711 mi. St. Joseph-Gower Rd., Buchanan Co. $4,535; from Kiefner & Geile, Perryville, 12 ft. gravel surfacing 3.094 mi. road from Elsinore south, Carter Co., $15,397; from F. T. O'Dell, New London, 16 ft. gravel surfacing 3.864 mi. Canton-Monticello Rd., Lewis Co. $46,562, from McCann Bros. & Huffman, Grand Tower, Ill., 2.257 mi. road from Diehlstadt north and south, Scott Co., $27,954; from Wilson Constr. Co., Warrensburg, 20 ft. gravel surfacing 3.995 mi road from Wayland south, Clark Co., $1,701; from Harrison Constr. Co., 413 Kraft Bldg., Des Moines, Ia., 18 ft. concrete surfacing 2.423 mi road from Edinburg west, Grundy Co. $85,443, from S. J. Groves & Sons Co., Montreal and Cleveland Aves., Minneapolis, Minn., 3.351 mi. Edinburg-Trenton Rd., Grundy Co., $111,080; from Metropolitan Paving Co., 7th and Olive Sts., St. Joseph, 18 ft. asphaltic concrete fluxed native asphalt on concrete paving 3.001 mi. St. Joseph-Grayson Rd., Clinton Co., $68,041; from Hanlon & Okes, Cortlandt and Hyacinth Sts., St. Paul, Minn., 18 ft. amesite on concrete surfacing 2.685 mi. St. Joseph-Grayson Rd., Clinton Co., $84,737. Noted Jan. 22.

O., Cleveland—From Gould & Maybach, 16220 Saranec Rd., paving with (a) asphalt or (b) brick, Darley Ave. (a) $16,855 (b) $21,212, Paxton Rd. (a) $7,953 (b) $10,006, Wagner Ave. (a) $44,380 (b) $56,361, Avalon Rd. (a) $9,547. Work involves 8,695 sq.yd. vitr. brick or asphalt, 5,735 lin. ft. stone curbing, 4,855 lin. ft. 4 in. drain tile gutter, and 5,590 cu.yd. excav.

Tex., Plano—Paving with (a) 3 in. brick on 5 in. concrete (b) 2½ in. brick on 5 in. concrete (c) 6 in. rein.-con. various streets, from Thurber Paving Co., F. & M. Bank Bldg., Ft. Worth, (a) $26,408; from Standard Paving Co., Dallas, (b) $27,684; from D. S. Talliaferro, Sherman, (c) $123,483.

Tex., Waxahachie—Ellis Co., surfacing with native limestone base 45 mi. lateral roads in Rd. Dist. 1, 15 ft., from Purvis & Loury, Ft. Worth, $144,946. Engrs. est. $150,000.

CONTRACTS AWARDED

Massachusetts — Dept. Pub. Wks., Div. Highways, Boston, rein.-con. paving 17,724 ft. highway in Lenox and Lee, to L. C. Carchia & Co., Bellevue St., West Roxbury, $202,000. Noted Feb. 5.

N. Y., Brooklyn — J. A. Guider, boro. pres., Boro Hall, asphalt paving Gold and Ridgwood Aves., to Borough Asphalt Co., 1301 Metropolitan Ave., $26,485, and $47,709 respectively; New York Ave., to Brooklyn

SUBWAY—NEW YORK, N. Y.

Following are lowest three bids opened by Bd. Transportation, Municipal Bldg., Jan. 26, for constructing subway in Washington Heights; Sect. 3-A, Route 78, from 112th to 122nd Sts., (A) Heyman & Goodman Co., 140 Wadsworth Ave.; (B) Frederick L. Cranford, 149 Remsen St., Brooklyn; (C) The Mason Co., Inc., 114 Liberty St. The unit bids are as follows:

	A	B	C
190,000 cu.yd. earth excavation	$12.00	$12.45	$12 70
9,300 cu.yd. earth excavation for sewers	12.00	12.45	12 70
3,000 cu.yd. rock excavation	12.00	12.45	16 40
100 cu.yd. rock excavation for sewers	12.00	30.00	16 40
27,000 cu.yd. concrete masonry	24.00	21.00	23 00
62,000 sq.ft. rubbed surface	.10	.15	10
2,900 cu.yd. protective concrete	24.00	21.00	23 00
1,300 cu.yd. rubble stone masonry	14.00	12.00	18 00
10 cu.yd. dry rubble masonry	10.00	10.00	15 00
500 cu.yd. brick masonry	35.00	50.00	50 00
15 cu.yd. hollow terra cotta	35.00	50.00	50 00
100 bbl. portland cement grout	6.00	8.00	8.00
20 cu.yd. broken stone or gravel	6.50	4.00	5 00
5,400 sq.yd. waterproofing 1-ply	1.00	1.25	1 00
24,000 sq.yd. waterproofing, 3-ply	3.00	2.10	2 60
100 sq.yd. waterproofing, 4-ply	3.50	3.00	4 00
100 sq.yd. waterproofing, 6-ply	5.50	4.00	6 00
100 sq.yd. waterproofing dry, 6-ply	1.00	1.00	1 00
360 cu.yd. waterproofing brick in mastic 1 layer	50.00	55.00	50 00
10 cu.yd. waterproofing brick in mastic, 2 layer	45.00	55.00	50 00
700 lin.ft. cast iron pipe and fittings, 3-in.	1.00	2.00	1 25
20 lin.ft. cast iron pipe and fittings, 4-in.	1.00	2.00	1 50
500 lin.ft. cast iron pipe and fittings, 6-in.	2.00	4.00	2 50
1,500 lin.ft. cast iron pipe and fittings, 8-in.	2.50	4.00	3 00
10 lin.ft. cast iron pipe and fittings, 10-in.	3.00	5.00	4 00
50 lin.ft. galvanized steel pipe, 3-in.	1.50	2.00	1 50
50 lin.ft. galvanized steel pipe, 4-in.	2.00	2.00	2 00
50 lin.ft. galvanized steel pipe, 6-in.	3.00	4.00	3 00
50 lin.ft. galvanized steel pipe, 8-in.	4.00	4.00	4 00
50 lin.ft. galvanized steel pipe, 10-in.	6.00	5.00	5 00
178,000 duct.ft. tunnel ducts	.35	.26	.35
650 cond.ft. fibre conduits, 3-in.	.40	.40	.40
1,500 ton riveted steel	140.00	142.00	118 00
4 ton architectural steel	400.00	400.00	400 00
580 sq.ft. steel doors	7.00	5.00	6 50
4 emerg. exit covers	500.00	250.00	500 00
1,800 ton steel beams and shapes	140.00	142.00	118 00
100 ton steel rods and bars	150.00	150.00	100 00
35 ton miscell. iron castings	200.00	250.00	200 00
1,000 lb. special wire forms	.15	.30	.20
4,770 lin.ft. hand rail	.30	.75	.50
6,000 sq.ft. gratings	6.00	3.50	4 50
100 sq.ft. vault lights	6.00	3.50	4 00
6,300 sq.yd. restoring street surface, within curbs	3.50	3.00	3 00
11,000 sq.yd. restoring street surface asphalt	5.00	6.00	5 00
3,100 sq.yd. restoring street surface, granite block	4.50	6.00	5 00
100 lin.ft. restoring street surface, 6-in. bluestone curb	3.00	3.00	4 20
100 lin.ft. restoring street surface, 8-in. granite curb	8.00	6.00	5 00
450 sq.yd. finishing of walls and slabs	2.00	3.00	2.50
3,600 lin.ft. steel electric ¾-in. conduits	.40	1.60	.40
50 lin.ft. steel electric 1¼-in. conduits	1.00	.80	60
4,800 lin.ft. steel electric 1-in. conduits	.50	.60	50
420 cast iron outlet boxes, 4 in x 4 in. x 3 in	2.00	2.50	1 50
6 cast iron pull boxes, 6 in. x 6 in. x 4 in.	5.00	10.00	6.00
220 lin.ft. cast iron pipe 6-in.	2.00	5.00	2 50
150 lin.ft. cast iron pipe 3-in.	1.50	3.00	1 15
420 lin.ft. cast iron pipe 4-in.	2.00	3.00	1 60
50 lin.ft. cast iron pipe 8-in.	3.00	5.00	3.50

	A	B	C
200 lin.ft. cast iron sewer vitrified 12-in. pipe	5.00	7.50	6.00
1,000 lin.ft. cast iron sewer vitrified 15-in. pipe	6.00	8.50	7.00
1,900 lin.ft. cast iron sewer vitrified 18-in. pipe	7.50	9.50	8.00
500 lin.ft. cast iron sewer vitrified 20-in. pipe	8.50	10.00	8.60
1,600 lin.ft. cast iron sewer vitrified 22-in. pipe	10.00	10.50	9.30
400 lin.ft. cast iron sewer vitrified 24-in. pipe	12.00	11.00	10.00
16 ton cast iron sewer straight pipe	200.00	150.00	120.00
5 ton cast iron sewer special pipe	350.00	250.00	240.00
80 lin.ft. flat top reinf. conc. sewer 3 ft. 6 in. x 2 ft. 4 in.	25.00	50.00	20.00
5,500 lin.ft. electric underground trolley	10.00	12.00	7.50
900 lin.ft. electric storage battery trolley	8.00	5.00	6.00
89 support of elevated columns on structure	3,500.00	4,500.00	4,000.00
10 support of elevated columns off structure	3,500.00	4,500.00	3,000.00
100 lin.ft. water pipe 6-in.	1.50	3.00	1.50
500 lin.ft. water pipe 12-in.	2.50	5.00	3.50
500 lin.ft. water pipe 48-in.	8.00	15.00	18.00
50 water pipe service connection	50.00	50.00	50.00
50 lin.ft. cast iron gas pipe 4-in.	1.50	3.00	1.00
100 lin.ft. cast iron gas pipe 6-in.	2.00	3.50	1.50
100 lin.ft. cast iron gas pipe 8-in.	2.50	4.00	2.00
100 lin.ft. cast iron gas pipe 12-in.	3.00	5.00	3.50
400 lin.ft. cast iron gas pipe 16-in.	3.50	6.00	5.50
300 lin.ft. cast iron gas pipe 20-in.	4.00	8.00	7.50
300 lin.ft. cast iron gas pipe 36-in.	7.00	10.00	14.00
700 lin.ft. steel by-passing pipe 6-in. upon or below street	6.00	4.00	6.00
3,600 lin.ft. steel by-passing pipe 8-in.	10.00	5.00	7.50
3,300 lin.ft. steel by-passing pipe 12-in.	20.00	8.00	12.00
40 lin.ft. steel by-passing pipe 16-in.	30.00	12.00	17.50
40 lin.ft. steel by-passing pipe 20-in.	30.00	15.00	25.00
50 lin.ft. steel by-passing pipe 24-in.	50.00	20.00	30.00
300 lin.ft. steel by-passing pipe 4-in.	4.00	3.00	5.00
50 lin.ft. steel by-passing pipe 36-in.	80.00	30.00	45.00
170 lin.ft. steel by-passing pipe 12-in. above street	12.00	12.00	12.00
270 lin.ft. steel by-passing pipe 16-in.	16.00	12.00	17.50
2,800 lin.ft. steel by-passing pipe 20-in.	20.00	16.00	25.00
700 lin.ft. steel by-passing pipe 24-in.	30.00	16.00	30.00
700 lin.ft. steel by-passing pipe 36-in.	50.00	25.00	45.00
50 lin.ft. steel by-passing pipe 8-in.	10.00	10.00	7.50
1,000 lin.ft. trestle to support by-passing pipe	10.00	10.00	10.00
1,000 lin.ft. cable to support by-passing pipe over 16-in.	15.00	10.00	8.00
160 lin.ft. cable to support by-passing pipe under 16-in.	15.00	10.00	7.00
50 gas pipe connection service	50.00	50.00	50.00
80 ton new C. I. water straight pipe	200.00	120.00	120.00
10 ton New C. I. water special pipe	350.00	240.00	240.00
600 lin.ft. pneumatic mail 8-in. tube	5.50	10.00	8.00
150 lin.ft. pneumatic new 8-in. pipe straight	8.00	15.00	10.00
75 lin.ft. pneumatic new 8-in. pipe curved	10.00	25.00	12.00
80,000 duct.ft. vitrified clay electric ducts and conduits	.35	.38	.45
100 lin.ft. steel pipe electric ducts and conduits 2½-in.	.60	2.00	.60
200 lin.ft. steel pipe electric ducts and conduits 3-in.	.70	2.50	.80
100 lin.ft. steel pipe electric ducts and conduits 3½-in.	.80	3.00	1.00
100 lin.ft. steel pipe electric ducts and conduits 2-in.	.40	2.00	.50
40 steel pipe electric ducts connlc. slry	50.00	50.00	25.00
100 lin.ft. wooden electric ducts connlc. slry. 3-in.	.70	1.00	.60
100 lin.ft. fibre electric ducts connlc. slry 3 in.	.70	1.00	.50
100 lin.ft. fibre electric ducts connlc. s'ry. 3½-in.	.70	1.00	.60
10 service boxes on relocated duct lines	150.00	250.00	125.00
10 junction boxes	500.00	250.00	150.00
10 junction boxes, additional	500.00	750.00	300.00
Extended totals	$4,908,261	$5,098,748	$5,231,111

* Cost of underpinning of buildings included in total but not in units.

Streets and Roads (Continued)

Alcatraz Asphalt Co., 407 Hamilton Ave., $45,101. Noted Feb. 5.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., widening and wood block repaving Columbus Circle, and granite block repaving Wooster St., to J. Meehan & Son, 74 Cortland St., $5,438 and $20,688 respectively. Noted Feb. 5.

N. C., Robersonville—Paving Main St., to Foster Constr. Co., North Wilkesboro, $35,-512. Noted Jan. 15.

South Carolina—Marion Co. (Gresham) and Dillon Co. (Dillon), sand clay surfacing 8.3 mi. State Route 47, State Project S-526, to W. B. Boyle Co., Sumter, $46,-099. Noted Dec. 18.

S. C., Aiken—Aiken Co., sand clay surfacing 7.7 mi. State Route 12, State Project S-522-A, to T. E. Hook, New Brookland, $60,777. Noted Jan. 8.

Fla., Clearwater—Pinellas Co. **(S. R. and B. D. means Special Road and Bridge Dist.)** to Cone Bros., Tampa, asphalt block paving Rds. 1 and 2, S. R. and B. D. 6, $250,697; to Warren & Carroll, Tampa, asphalt block surfacing on 6 in. crushed rock base, Rd. 2 in S. R. and B. D. 8 $139,074, Rds. 5 and 6 in S. R. and B. D. 8 $25,826, Rd. 3 in S. R. and B. D. 8 $203,119; to Morgan-Hill Paving Co., Jacksonville, double bituminous surface treating Rds. 7, 8 and 9 in S. R. and B. D. 8 $45,079, Rd. 4, S. R. and B. D. 8 $36,369, Rd. 1 in S. R. and B. D. 8 $32,155, 2 in. bituminous macadam on 6 in. rock paving Rds. 5 and 6, S. R. and B. D. 6 $38,900, Rd. 4, S. R. and B. D. 6 $77,718, Rd. 3, S. R. and B. D. 6 $134,415. Noted Jan. 8.

Tennessee—State Dept. Hys. & Pub. Wks., Nashville, grading and 2.5 in. bituminous macadam on giant macadam surfacing 11.86 mi. Murfreesboro-Cannon Co. line Rd., 18 ft., incl. 2 concrete bridges over 20 ft. span, Federal Aid Project 48, Rutherford Co., to Garrell, Barrow & Kirkpatrick, Russellville, Ky., $281,137. Noted Jan. 8.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, grading, etc., 11 mi. Davidson Co. line-Dickson Co. line Rd., 18 ft., Federal Aid Project 205, Cheatham Co., to Texas Willite Road Co., 1205 Capitol Ave., Houston, Tex., and Womack Constr. Co., Houston, Tex., $126,334. Noted May 1.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, Portland cement concrete surfacing 13.45 mi. Route 3, Sects. 35, 36 and 37, Warren and McDonough Counties, and 11.08 mi. Route 3, Sects. 40, 41 and 42, McDonough and Schuyler Counties, to W. O'Neil Sons, Fairbault, Minn., $281,534 and $255,421 respectively; 4.29 mi. Route 10, Sect. 34, Vermillion Co., to C. W. Clark Co., T. H. Bldg., Terre Haute, Ind., $94,525; 5.65 mi. Route 13, Sect. 12, Jackson Co., to Hamilton-Hoffman Constr. Co., Carbondale, $127,394; 12.12 mi. Route 14, Sects. 7 and 8, Franklin and Hamilton Counties, to Madison Constr. Co., Edwardsville, $283,000; 11.46 mi. Route 1, Sects. 30 and 31, Saline Co., and 10.77 mi. Route 37, Sects. 1 and 2, Jefferson Co., to Kerr & Murphy, Bloomington, Ind., $207,975 and $194,069 respectively; 8.49 mi. Route 13, Sects. 21 and 22, Randolph and St. Clair Counties, to Hoeffken Bros., Belleville, $163,277; 4.35 mi. Route 3, Sects. 51 and 52, Greene Co., to Nelson Bros., Jerseyville, $99,560. Noted Nov. 27.

Ill., St. Charles — To H. Jensen, St. Charles, improving 3rd St and Anderson Blvd, (city's share of work includes) 9,229 cu.yd. grading, 15,489 sq.yd. 8 in. concrete surfacing, 11,492 ft. curb and gutter, 5,995 ft. expansion joints, 3,008 ft. 8- to 15-in. vitr. clay pipe, 60,647, (railroad's share), 2,927 sq.yd. 8 in. and 4,285 sq.yd. 11 in. surfacing, 2,191 ft. expansion joints, 192 ft. 8 in. vitr. clay pipe, etc., $22,680. Noted Jan. 29.

Ill., West Chicago—To Gund-Graham Co., Freeport, grading and concrete surfacing 22,345 sq.yd. Southwest Dist., incl. Milo Court, Norris, Sherman, Clara, Harrison, Church and Ann Sts., $79,047, and 9,209 sq.yd. Sophia St., York and Fairview Aves., $31,545. Noted Jan. 22.

Ia., Sioux City—Illinois Central R.R. Co., 135 East 11th St., Chicago, Ill., grading grounds for roundhouse, shops and terminal, about 120,000 cu.yd. excav., to R. E. Betz, Iowa Bldg., $50,000.

Tex., Boston—Bowie Co., paving 11.64 mi. State Highway 5, 18 ft., to McGuire & Cavender, Sherman. Noted Dec. 4.

Tex., Houston—Harris Co., grading and bituminous concrete surfacing Rice Blvd. from Sunset Blvd. to Keenerman St., to S. Shambaugh, 1401 Dowling St., $63,601. Engrs. est. $65,000.

Tex., Houston—Paving North and South Boulevard Aves. from Dunlavy to Hazard Sts., to Gulf Bitulithic Co., 801 Bankers Mortgage Bldg., $49,032, engrs. est. $50,000; graveling Buffalo Dr. from City Park to Shepards Dam, to C. K. Horton, 2202 Clay St., $44,632, engrs. est. $45,000.

Tex., Kaufman — Kaufman Co. **(e.e. means engrs. est.)** to Smith Bros., Inc., Amer. Exch. Bank Bldg., Dallas, rein.-con. paving 41.431 sq.yd. State Highway 15, Federal Aid Project 130-C, $92,698, e.e. $103,-500; 69,951 sq.yd. State Highway 15, Federal Aid Project 130-A, $131,616, e.e. $175,-000; 113,393 sq.yd. State Highway 15, Federal Aid Project 130-D, $231,617, e.e. $260,-000. Noted Jan. 29.

Tex., Snyder — For 29,000 sq.yd. 3 in. vertical fibre brick with texaco asphalt filler pavement, to Smith Bros., Inc., Sumpter Bldg., Dallas. Noted Jan. 29.

Okla., Tulsa—To H. L. Cannady Co., 1122 South Lewis St., improving Archer St., Dist. 609, 1,843 sq.yd. G paving, 1,139 ft. curbing and 1,123 cu.yd. excav., $8,133, 18th, 21st and Main Sts., Dist. 610, 6,643 sq.yd. G paving, 4,142 ft. curbing and 3,273 cu.yd. excav., $28,572, alley in Block 3, Crosbie Heights addition, Dist. 611, 633 sq. yd. 6 in. Class F paving, 125 cu.yd. excav., $2,060, Latimer Court, Dist. 612, 1,754 sq. yd. paving, 1,214 ft. curbing and 924 cu. yd. excav., $7,893; to Standard Paving Co., 1742 East 6th St., improving Atlanta St., Dist. 613, 4,673 sq.yd. Class B paving, 3,080 ft. curbing and 2,334 cu.yd. excav., $21,343.

Okla., Wetumka—Grading and surfacing 3 blocks Bway., Frisco and Canadian Sts., 3,500 sq.yd. vertical fibre brick, 980 lin.ft. curbing, 1,400 cu.yd. earth and 60 cu.yd. rock excav., to Park & Moran, Box 622 Okmulgee, $26,359. Engrs. est. $27,300. Noted Jan. 15.

Calif., Fresno—Fresno Co., to California Road & Street Impvt. Co., Bank of Italy Bldg., improving roads in Impvt. Dist. 6, 107,400 sq.ft. 1.5 in. Warrenite on 2.5 in. asphaltic concrete at $0.157 per sq.ft., 167,200 sq.ft. grading $0.36, total $35,020; to Thompson Bros., G and Divisadero Sts., roads in Impvt. Dist. 7, 812,650 sq.ft. 1.5 in. Warrenite on 2.5 in. asphaltic concrete at $0.176, 1,243,800 sq.ft. grading $0.015, total $171,937. Noted Feb. 5.

Calif., San Francisco—Grading, concrete curbing, asphalt paving, etc., residential tract bounded by Monterey St., El Verango Way and Yerba Buena Ave., to Pacific States Constr. Co., Call Bldg., approximately $45,000. Owner's name withheld.

Calif., Santa Monica—Bitulithic on asphaltic concrete paving 175,500 sq.ft. Arizona Ave. between 20th St. and east city limits, to S. Pearson, 3847 Bway., Los Angeles, approximately $78,800. Noted Jan. 29.

Calif., Santa Rosa—Grading, reconstructing existing macadam into 4 in. base and surfacing with 3 in. willite portions of Lincoln, 7th and B Sts., to Clark & Henery Constr. Co., Chancery Bldg., San Francisco, to exceed $25,000. Noted Aug. 7.

Calif., Venice—Grading, curbing and 6 in. concrete paving Walgrove Ave., to J. and R. Youngblood, Venice, approximately $25,650.

Ontario—Northern Development Branch Provincial Hy. Dept., Parliament Bldg., Toronto, will clear and improve 40 mi. road from Fort William, Ont., Winnipeg, Man., 66 ft., gravel and macadam, by day labor. $400,000. C. H. Fullerton, Parliament Bldg., Toronto, ch. engr.

Buildings—Industrial

PROPOSED WORK

Me., Camden — Mill — Seabright Woven Felt Co., having plans prepared by J. C. and J. H. Stevens, 187 Middle St., Portland, 4 story, 55 x 115 ft., brick and timber addition, plain foundation. $300,000. Noted Jan. 22.

Mass., Lawrence—Bakery—White House Baking Co., having preliminary plans prepared by J. G. Morrisette, 575 Essex St., 2 story, rein.-con. and steel, Essex St. $40,000.

Mass., New Bedford — Factory — Continental Wood Screw Co., Pleasant St., having plans prepared by Leary & Walker,

Buildings—Industrial (Continued)

Timber Bldg., 2 story, 80 x 100 ft., brick addition. $75,000.

Mass., Somerville (Boston P. O.—Factory—E. F. Kemp, Skelton Ave., having plans prepared by W. Sidebottom, 101 Tremont St., Boston, 2 and 3 story, 35 x 65 ft., brick addition. $45,000.

R. I., Providence — Warehouse — City plans warehouse in 2 sections each 144 x 200 ft., at City Dock, Fields Point. $300,000. F. E. Waterman, ctiy engr.

Conn., New Haven — Storage — Durham Storage Co., 35 Olive St., having plans prepared by Westcott & Mapes, Inc., archts. and engrs., 207 Orang St., 3 story and basement, 35 x 50 ft., rein.-con., brick and steel, Olive St. $75,000.

N. Y., Brooklyn—Housing Station—Dept. Plants & Structures, Municipal Bldg., New York City, having plans prepared rein.-con. and brick housing station, East 35th St. and Ave. I, here. $100,000. Private plans.

N. Y., Brooklyn — Laundry — Colonial Laundry Co., 16 Lexington Ave., soon takes bids brick, steel and stone laundry, plain foundation, Lexington Ave. $200,000. McCarthy & Kelly, 159 Remsen St., archts. and engrs.

N. Y., Brooklyn—Refinery—Amer. Sugar Refining Co., 117 Wall St., New York City, plans extensions to sugar refinery, South 2nd St., here. Private plans.

N. J., New Brunswick—Factory—Oxford Dye Wks., Inc., New Brunswick, plans 1 story factory. $200,000. Engineer and architect not selected.

N. J., Trenton—Plant—Certain-Teed Products Corp., East State St., plans plant addition to replace one recently destroyed by fire. $40,000. Engineer and architect not selected.

N. J., Trenton—Plant—Federated Metals Corp., Enterprise Ave., C. W. Munro, pres., 472 Greenwood Ave., plans 2 story, 100 x 200 ft. plant. $50,000.

Pa., Phila.—Plant—A. W. Barnes, archt., Perry Bldg., soon lets contract 5 story and basement, 28 x 178 ft., rein.-con. and brick, plain foundation, 1529 Parrish St., for F. A. North Co., 1306 Chestnut St. $175,000.

Md., Cumberland—Plant—Sinclair Refining Co., 45 Nassau St., New York City, plans cold storage plant here. $100,000. Private plans.

N. C., Asheville—Plant—Sayles Finishing Plants, Inc., Saylesville, R. I., soon lets contract large plant on Swannanoa River, near here. Total incl. site, equipment and construction $1,000,000. J. E. Sirrine, Greenville, S. C., engr. Noted Jan. 22.

Tenn., Knoxville — Mill — Ashe Hosiery Mills plans mill addition, Gay St. $50,000.

O., Cleveland — Factory — Ferbert-Schonderfer Co., A. J. Ferbert, pres., Elmwood Rd., plans 3 story and basemen,t 60 x 60 ft., brick and steel, Elmwood Rd. $40,000. Private plans.

Mich., Detroit—Shop—Dodge Bros., Inc., 7900 Jos. Campau Ave., having plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., 1 and 2 story and basement, brick and steel, plain foundation.

Wis., Madison — Laundry — Alford Bros. Co., 113 North Carroll St., having plans prepared by Claude & Starck, Badger Annex, 1 story, 40 x 100 ft., brick, rein.-con. and steel laundry, plain foundation.

Wis., Sevastopol (Sturgeon Bay P. O.)—Factory—Reynolds Preserving Co., W. S. Reynolds, mgr. North West Sturgeon Bay, having plans prepared 1 story, 40 x 90 ft., rein.-con. and brick, plain foundation. $40,000. Private plans.

Wis., Waterloo — Dry Kiln, etc. — The Wisconsin Pop Corn Co., A. Schultz, secy., plans 2 story, 130 x 140 ft., brick and concrete dry kiln, warehouse and storage tanks building, plain foundation. $40,000. Engineer and architect not selected.

Tex., Dallas—Mill—Miller Mfg. Co., 906 Jackson St., C. R. Miller, pres., making plans 3 story, brick and timber addition, plain foundation. $1,000,000. Private plans.

Tex., Denton—Cold Storage—W. T. Bolton having plans prepared 1 story, 30 x 150 ft. cold storage building, concrete and brick. $45,000. Private plans.

Tex., San Antonio—Power Plant—San Antonio Pub. Serv. Co., 201 North St. Mary's St., making plans and surveys addition to power plant, incl. equipment. $210,000. E. H. Kifer, vice-pres. and genl. mgr.

Que., Montreal—Power Plant—Canadian Paperboard Co., 2 Seigners St., plans 400 hp. steam power plant. Kerry & Chace Ltd., 550 Confederation Life Bldg., Toronto, Ont., engrs.

Ont., Guelph—Plant — Guelph Paper Box Co., plans rebuilding plant recently destroyed by fire. $55,000.

Ont., Oshawa—Factory—Natural Tread Shoes Ltd., E. V. Taplin, mgr., 310 Yonge St., Toronto, plans 2 story brick factory, here.

Ont., Otterville — Factory — Hyslop & Sons plan factory. $50,000-$75,000.

Ont., Toronto — Power Plant — Hydro-Electric Power Comn., 190 University Ave., having plans prepared auxiliary steam driven electric generating station, about 100,000 hp., concrete, brick and steel. $5,000,000. F. A. Gaby, ch. engr.

BIDS DESIRED

Mass., Boston — Repair and Service Garage—Gilbert & Levine, c/o S. S. Eisenberg, archt., 46 Cornhill St., taking bids 2 story, 80 x 100 ft., rein.-con., Vancouver St. and Huntington Ave. $100,000. Noted Feb. 5.

Mass., Cambridge—Factory—Lever Bros., Bway., taking bids altering 3 story factory. C. T. Main, 200 Devonshire St., Boston, engr. Noted July 3.

Mass., Cambridge — Factory — General Radio Co., 11 Windsor St., taking bids 4 story and basement, 50 x 100 ft., rein.-con., caisson foundation, Windsor and Cambridge Sts. To exceed $40,000. Lockwood, Green & Co., 24 Federal St., Boston, engrs.

Mass., Waltham — Factory — Creighton Knitting Mills, High St., taking bids altering and constructing 3 story, brick and concrete addition, High St. $40,000. W. M. Haines, 32 Riverview Ave., archt.

Conn., Bridgeport—Factory—Locke Steel Chain Co., 1085 Connecticut Ave., taking bids 1 story, 85 x 155 ft., rein.-con. and steel, plain foundation. $75,000. C. W. Walker, Jr., 347 State St., archt.

N. Y., Coney Island (Sta. Brooklyn)—Shop—Feb. 20, by Bd. Transportation, 49 Lafayette St., New York City, structural steel for main repair shop and other buildings, here.

Pa., Phila.—Factory—Feb. 16, by Ballinger Co., archts., 12th and Chestnut Sts., 2 story, 54 x 193 ft., rein.-con. and brick addition, plain foundation, Tioga St. between C and Arbor Sts., for Baxter Kelly & Faust.

Calif., Beverly Hills—Factory—J. Hausfelder, archt. and engr., 230 West Jefferson St., Los Angeles, will build ice cream factory, rein.-con., Santa Monica Ave. and Alpine Dr., $250,000. Work will be done by separate contracts. Owners name withheld.

CONTRACTS AWARDED

Mass., Boston — Repair and Service Garage—A. E. Orno, 161 Devonshire St., 1 story, 115 x 200 ft., rein.-con. and brick, Ipswich St., to Foundation & Constr. Co., 108 Massachusetts Ave. Archts. est. $100,000.

Mass., Worcester—Factory—G. C. Whitney, Union and School Sts., 3 story and basement, brick, Union and School Sts., to Aberthaw Co., 27 School St., Boston. Engrs. est. to exceed $40,000.

Conn., New Britain — Factory — Corbin Screw Corp., High St., 6 story 40 x 45 ft., brick and timber addition to Aberthaw Constr. Co., 27 School St., Boston. Archts. est. $75,000.

Pa., Phila. — Storage, etc. — Publicker Commercial Alcohol Co., 4 story and basement, 70 x 70 ft., and 5 story and basement, 22 x 32 ft., Delaware and Bigler Sts., to G. Kessler Constr. Co., 1733 North Marvine St. Noted Jan. 29.

Pa., Zellonople — Shop — Atlas Sanitary Mfg. Co. will build 1 story, 30 x 50 ft. pattern shop, by day labor. $40,000. Truscon Steel Co., Oliver Bldg., Pittsburgh, to furnish steel for project.

W. Va., Huntington — Plant — International Nickel Co., 67 Wall St., New York City, 50 x 120 ft., rein.-con. and brick, plain foundation, here, to Austin Co., 217 Bway., New York City. Archts. est. $175,000.

O., Cleveland—Factory—Marquard Sash & Door Co., F. J. Marquard, genl. mgr., 307 Canal Rd., 1 and 2 story, 85 x 285 ft., brick, steel and concrete, 14,731 Lorain Ave., to Forest City Steel & Iron Co., 1500 West 110th St. Archts. est. $150,000. Noted Dec. 25.

Ill., Chicago — Mill — Acme Steel Goods Co., 112 Adams St., modern mill, to E. W. Bliss Co., 53rd St. and 2nd Ave., Brooklyn, N. Y.

Ill., Pekin — Warehouse — Corn Products Co., South 2nd St., 1 story and part basement, 140 x 500 ft., corrugated steel sides and steel frame, to Bedford Constr. Co., 208 East Illinois St., Chicago. Archts. est. $60,000.

Wis., Madison—Factory—Burgess Building Co., c/o Burgess Battery Co., Brearly St., 1 story, 62 x 252 ft., brick, concrete and steel, plain foundation, to A. D. and J. V. Frederickson, 702 East Main St. Archts. est. $45,000.

Minn., Winona — Power House — See "Buildings—Commercial."

Mo., St. Louis—Factory etc.—St. Louis Screw Co., Clarence and Bulwer Aves., 2 and 3 story, 62 x 472 ft., rein.-con. and steel factory and office building, 6900 North Bway., to Mississippi Valley Structural Steel Co., Big Bend and Cartan Aves.

Mo., St. Louis—Foundry—J. T. O'Neill, 51 Kingsburg Pl., 1 story, 95 x 180 ft., concrete and steel, 142-146 President St., to Kremer & Voirol Co., Century Bldg.

Calif., Azusa—Factory—Bartlett Nut Products Corp., 265 Garfield St., Pasadena, general contract 1 story, 50 x 170 ft., brick factory, Azusa St., to J. M. Cooper, 321 Marsh-Strong Bldg., Los Angeles. Archts. est. $40,000. Noted Jan. 15.

Calif., Fresno—Plant—Sun-Maid Raisin Growers Assn., Holland Bldg., rein.-con. plant, laboratory, etc., to Trewhitt-Shields Co., Pacific Southwest Bldg. Archts. est. $100,000.

Calif., Los Angeles—Factory — Western Art Stone Works, 5601 Alhambra Ave., will build 1 story, 85x120 ft. factory, Alhambra Ave., by day labor.

Calif., Oakland — Laundry — Ambassador Laundry Co., 246 Lakeshore Blvd., 1 story, brick, Magnolia and 28th Sts., to L. D. Price, 5807 Adeline St., approximately $42,000.

Calif., San Francisco—Plant—The Bulletin, Market St. at Grant Ave., 750 tons structural steel for 6 story and basement newspaper plant, Mission St. near 4th St., to Schrader Iron Wks., 1247 Harrison St.

S. A., Peru—Plant—Cerro de Pasco Copper Corp., 15 Broad St., New York City, will build leaching plant, here, by day labor. $200,000. Private plans.

Buildings—Commercial

PROPOSED WORK

Me., Biddeford—High School—Krokyn & Browne, archts., 220 Devonshire St., Boston, Mass., take bids about Feb. 14, 3 story and basement, 70 x 100 ft., and 70 x 112 ft., brick and steel, plain foundation, here, for School Comn., Town Hall. $400,000. Noted Jan. 1.

Mass., Boston—Apartment—L. S. Kouffman, 94 Queensbury St., having revised plans prepared by G. N. Jacobs, 4 Park St., 8 story and basement, 60 x 100 ft., rein.-con., brick and steel, plain foundation, 1800-02 Commonwealth Ave. $350,000. Noted Jan. 8.

Mass., Boston — Store — Northern Realty Trust, c/o A. J. Carpenter, Jr., archt., 1 Moss Hill Rd., Jamaica Plain, having preliminary plans prepared 1 or more story, brick, 56-70 Cambridge St., here. $150,000.

Mass., Boston—Storage—Hudson Building Co., c/o Krokyn & Browne, archts., 220 Devonshire St., having plans prepared 13 story and basement, 130 x 165 ft., brick, concrete and steel, plain foundation, Kneeland, Hudson and Tyler Sts. $750,000.

Mass., Cambridge (Boston P. O.)—Office and Store—Manufacturers Natl. Bank, having preliminary plans prepared by F. E. Leland, 299 Main St., 5 story and basement, rein.-con., brick and stone, Kendall Sq. $150,000 or more.

Mass., East Boston (Sta. Boston)—School—Schoolhouse Dept., Boston, having plans prepared by W. W. Drummey, 80 Boylston St., 2 story and basement, 135 x 160 ft., brick and stone, plain foundation, Orient Heights, here. $150,000.

Mass., Jamaica Plain (Boston P. O.)—Store—Green Bros., 57 Hazelton St., Mattapan, having plans prepared by S. S. Levy, 35 Court St., Boston, 1 story and basement, 70 x 300 ft., rein.-con. and brick, 3201-13 Washington St., here. $150,000.

Mass., Lawrence—Store and Apartment—L. Godis, 246 Essex St., having preliminary plans prepared by J. G. Morristette, 575 Essex St., 3 story and basement, rein.-con. and brick, plain foundation, Elm St. $150,000.

Mass., Malden—High School—City, J. D. Kimball, City Hall, mayor, having preliminary plans prepared by M. A. Dyer, 1 Beacon St., Boston, altering and constructing 2 story and basement, brick and stone addition to Junior High School. $150,000.

Mass., Milford — High School — School Com. having plans prepared by R. A. Cook, Milford, 4 story and basement, 86 x 136 ft., brick and stone addition, Purchase St. $200,000.

Mass., Springfield — Station — Boston & Albany R.R., South Station, Boston, having plans prepared reconstructing old building on site of Boston & Maine. $250,000 or more. Private plans.

Mass., Worcester—Office and Store—Lincoln Constr. Co., 20 Pearl St., having plans prepared by McFarland & Laurie, 162 Newbury St., Boston, 5 story and basement, brick and stone, Elm St. To exceed $150,000.

R. I., Providence—Student—Brown University, having preliminary plans prepared by Andrews, Jones, Biscoe & Whitmore, 50 Congress St., Boston, Mass., 1 and 2 story

Buildings—Commercial (Continued)

and basement, students building. To exceed $150,000.

Conn., Bridgeport — Warehouse — Logan Bros., Housatonic Ave., having plans prepared by Fletcher-Thompson, Inc., Fairfield Ave., 5 story and basement, 50 x 100 ft., rein.-con., wood pile foundation, Lumber St. and Housatonic Ave. $150,000.

Conn., Bristol—School—School Com. having plans prepared by H. A. Hayden, 175 Main St., 2 story and basement, brick and stone school. $250,000.

Conn., Danbury—Dormitory—Connecticut Normal School, White St., plans dormitory White St., $300,000.

Conn., Hartford—Capitol—State Capitol, F. M. Salmon, comptroller, State House, having plans prepared by F. Irvine Cooper Corp., 983 Main St., altering Hall of House of Representatives. $150,000. Noted July 3.

Conn., New Haven—Professional—L. J. Whiteside, 70 Grove St., having preliminary plans prepared by Orr & del Grella, 956 Chapel St., 8 story and basement, 35 x 102 ft., brick and steel, plain foundation, Church St. $300,000.

Conn., New Haven—Theatre and Office—A. S. Friend, 36 West 44th St., New York City, plans brick, steel and stone, plain foundation, College St., here. $1,000,000. Engineer and architect not selected.

N. Y., Albany — Office, Museum, etc. — State Building Comn., plans new office building, new museum, park, and approach to Capitol. $12,000,000. S. W. Jones, state archt.

N. Y., Albany — Temple — Masonic Hall Assn., plans new brick and steel, plain foundation, State St. $2,000,000. Engineer and architect not selected.

N. Y., Far Rockaway — Theatre — B. S. Moss, Bway. and 53rd St., New York City, plans 180 x 200 ft., brick, steel and stone, plain foundation, Mott and Central Aves. Engineer and architect not selected.

N. Y., New York—Apartment—Bierman Elie Realty Co., c/o H. Hurwitz, archt., 41 West 33rd St., having plans prepared 6 story, 50 x 100 ft., brick, steel and stone, plain foundation, 6th St. and Ave. A. $300,000.

N. Y., New York—Apartments—M. Herrmann, c/o B. Sackheim, archt. and engr., 26 Court St., Brooklyn, having plans prepared six 5 story, brick, steel and stone, plain foundations, Beach Ave. $200,000 each.

N. Y., New York—Apartment—B. and C. Nieberg Realty Co., c/o D. S. Lang, archt. and engr., 110 West 34th St., having plans prepared 6 story, 100 x 140 ft., brick, steel and stone, plain foundation, Bway. and 193rd St. $250,000.

N. Y., New York—Apartment—Wako Co. Ltd., c/o W. Mason, archt., 25 West 43rd St., having plans prepared 13 story, brick, steel and stone, plain foundation, 1 East 53rd St. $225,000.

N. Y., New York—Church and Offices—Bway.-Chelsea Methodist Episcopal Church, 701 West 177th St., had plans prepared by D. Barber, 101 Park Ave., 24 story, brick, steel and stone plain foundation, Bway. and 174th St. $4,000,000. Werner-Nygren, 101 Park Ave., engrs.

N. Y., New York—Garage—S. Solomon, c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., having plans prepared 2 story, 100 x 200 ft., rein.-con., brick and steel, plain foundation, 820 12th Ave. $300,000.

N. Y., New York—Hospital—Dept. Pub. Welfare, Municipal Bldg., had plans prepared by C. B. Meyers, 31 Union Sq., brick, steel and stone hospital, plain foundation, Walton Ave. and 167th St. $3,200,000.

N. Y., New York—Hospital—Jewish Maternity Hospital, c/o A. W. Brunner, archt. and engr., 101 Park Ave., having plans prepared 9 story, brick, steel and stone, plain foundation, 5th Ave. and 108th St. $1,250,000.

N. Y., New York—Office—Real Estate Bd., c/o Starrett & Van Vleck, archts. and engrs., 8 West 40th St., soon takes bids 16 story, brick, steel and stone, plain foundation, 14 East 41st St. $1,000,000.

N. Y., North Creek—School—Voted $150,000 bonds for 3 story, 150 x 200 ft., rein.-con. and brick, plain foundation, Main St. Engineer and architect not selected.

N. Y., North Tonawanda—High School—Bd. Educ. plans high school, Payne Ave. $500,000.

N. Y., Tonawanda—High School—Bd. Educ. plans high school, Main St. $650,000.

N. J., Englewood — High School — Bd. Educ. plans new high school. $200,000. W. J. White, supt. schools. Engineer and architect not selected.

N. J., Jersey City—Hospital—Hudson Co. Maternity Hospital having plans prepared by C. Ziegler, 75 Montgomery St., brick, steel and stone, plain foundation. $1,000,000.

N. J., Trenton—Apartment—J. R. Lambert, 912 Bellevue Ave., and C. F. Foley, Trenton, plans 8 story apartment house, Greenwood and Hollywood Aves. $500,000. Engineer and architect not selected.

Pa., Phila. — Museum — University of Pennsylvania, 34th and Spruce Sts., having plans prepared by Day & Klauder, Frank Bank Bldg., Stewardson & Page, 315 South 15th St., and Wilson, Eyre & McIlvane, 100 Spruce St., addition to museum. $600,000.

Pa., Pottsville—Store—Underwood-Doutrick Clothing Co., having plans prepared by H. J. Weigner, archt., Bethlehem Trust Bldg., Bethlehem, 2 story and basement, 30 x 230 ft., brick and steel, plain foundation.

Md., Baltimore — Hotel and Store — M. Schapiro, J. R. Roney, and H. Scherr, 313 South Hanover St., plans 12 story and basement, brick and steel, plain foundation, Park Ave., Centre and Howard Sts. $4,000,000. Engineer and architect not selected.

Md., Baltimore—Office and Store—I. Silberstein, 402 St. Paul St., having plans prepared by E. H. C. Browne, 402 St. Paul St., 2 story, 109 x 113 ft., brick, plain foundation, Baltimore and Lloyd Sts. $150,000.

Md., Baltimore—Store—Hochschild, Kohn & Co., Howard and Lexington Sts., having plans prepared by J. E. Sperry, Calvert Bldg., 6 or 8 story and basement, brick and steel, Howard, Franklin and Centre Sts. $2,000,000. H. F. Doelman, 507 North Charles St., engr.

Va., Blacksburg — Memorial — Virginia Polytechnic Institute soon lets contract 3 story, 90 x 150 ft. alumni quarters and gymnasium, etc., with 5 story tower in center. $250,000. Carneal & Johnson, Virginia Ry. and Power Bldg., Richmond, archts.

Va., Old Point Comfort — Hotel — Old Point Hotel Co. having plans prepared by McLanahan & Bencker, 908 Bellevue Ct. Bldg., Phila., Pa., 315 room modern hotel, Hampton Roads waterfront, to replace Hotel Chamberlain, recently destroyed by fire. $1,800,000. Noted Jan. 8.

Ga., Atlanta—Theater and Office—Famous Players Lasky Corp., 485 5th Ave., New York City, plans brick, steel and stone theater and office building, plain foundation, here. $750,000. Engineer and architect not selected.

Fla., Ft. Lauderdale—Hotel—J. Shingler and associates, Macon, Ga., having plans prepared by F. Abren, Ft. Lauderdale, hotel, 4th St. and Andrews Ave. $150,000.

Fla., Jacksonville—Theater and Office—Famous Players-Lasky Corp., 485 5th Ave., New York City, plans brick, steel and stone, plain foundation, here. $750,000. Engineer and architect not selected.

Fla., St. Petersburg—Theater—Famous Players-Lasky Corp., 485 5th Ave., New York City, plan theater, here. $500,000. Engineer and architect not selected.

Fla., Tampa — Theater and Office — Famous Players-Lasky Corp., 485 5th Ave., New York City, plans theater and office building, here. $600,000. Engineer and architect not selected.

Tenn., Nashville—Bank and Office—Amer. Trust Co., 235 3rd Ave. N, P. D. Houston, pres., having preliminary plans prepared by H. C. Hibbs, 4th and 1st Natl. Bank Bldg., probably 14 or 15 story rein.-con., brick and steel, 3rd and Union Sts. $800,000. Noted Feb. 5.

Tenn., Nashville — Office and Store — Bennie-Dillon Building Co., W. W. Dillon, pres., 304 3rd Ave. N., soon takes bids 12 story, 62x147 ft., concrete, brick and steel, 7th and Church Sts. $700,000. Asmus & Clark, Stahlman Bldg., archts.

O., Canton—Store—Carmichael & Millspaugh Co., archts., 7 East Long St., Columbus, soon lets contract 2 story and basement, 33 x 200 ft., brick, steel and concrete, here, for G. S. and W. E. Shaeffer, Canton. $150,000.

O., Cincinnati — Apartment — Schwartz Realty Co., 303 Provident Bank Bldg., having plans prepared by O. Schwartz, 303 Provident Bank Bldg., 8 story and basement, rein.-con. and brick, Reading Rd. $2,000,000.

O., Cincinnati—Hospital—City Hospital, Burnet Ave., having plans prepared by Elzner & Anderson, Benton Bldg., 5 story and basement children's hospital, rein.-con., brick and stone, Elland St. $1,000,000.

Ill., Aurora—Church—Marion Ave. Baptist Congregation, c/o C. Miller, pastor, soon takes bids 2 story and basement, 95 x 150 ft., rein.-con., brick and stone, plain foundation, Marion and Lebanon Aves. J. V. Morison, 64 West Randolph St., Chicago, archt.

Ill., Chicago — Club House — Standard Club, Dearborn St., having revised plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, Mich., 10 story and basement, 70 x 195 ft. rein.-con., brick and steel, plain foundation, Dearborn St.

Ill., Cicero—High School—Voted $300,000 bonds for 3 story, rein.-con., brick and stone high school in Dist. 201. W. C. Robb, 25th St. and Austin Blvd., secy. Noted Nov. 13.

Ill., Springfield — Theatre, Store and Apartment—Local Syndicate, c/o Levine & Rupert, archts., 822 West 70th St., Chicago, soon takes bids 3 story and basement, 157 x 242 ft., rein.-con., brick, steel and terra cotta, 5th and Jefferson Sts.

Wis., Milwaukee—Apartment and Store—G. Zagel & Bro., archts., 144 Oneida St., takes bids about Feb. 17, 3 story and basement, 72 x 100 ft., brick and tile, plain foundation, 27th St., for F. O. Mueller, 1034 27th St. $150,000.

Tex., Houston—Theater and Office—J. H. Jones, Goggan Bldg., making preliminary plans brick, steel and stone, plain foundation. $1,000,000. Private plans.

Tex., San Antonio—Theatre and Office—Commercial Realty Co., c/o J. Oppenheimer, chn. Building Comn., having plans prepared by Kelwood Co., 907 Travis Bldg., 6 story, rein.-con., concrete, structural steel and brick, Commerce, St. Marys and Crockett Sts. $1,500,000.

Colo., Denver — Theatre and Office — Famous Players-Lasky Corp., 485 5th Ave., New York City, plans brick, steel and stone theatre and office building, plain foundation, here. $1,000,000. Engineer and architect not selected.

BIDS DESIRED

Mass., Lynn—Apartment Hotel—Pythian Castle Assn., Market St., taking bids, Lynn Castle, 3 and 4 story and basement, 100x170 ft., rein.-con., brick, steel, stone and hollow tile, 37 Market St. $250,000. M. F. Burk, 173 Milk St., Boston, archt.

Mass., South Boston (br. of Boston)—Garage—J. D. Marr, pres., J. D. Marr & Son Co., 384 Dorchester Ave., South Boston, taking bids 2 story, 100 x 200 ft., concrete and steel, plain foundation, Old Colony Ave. and D St. $175,000. E. N. Adams, 86 Everett St., Arlington, archt.

Mass., Westfield—Atheneum—Westfield Atheneum Assn., taking bids 2 story and basement, 50 x 150 ft., brick atheneum. $150,000. Coolidge & Carlton, 89 State St., Boston, archts. Noted Oct. 2.

R. I., Providence — Dormitory — Brown University, taking bids 4 story and basement 35 x 105 ft., and 35 x 175 ft., brick and steel, plain foundation. $250,000. Day & Klauder, 1416 Chestnut St., Phila. Pa. Noted May 29.

N. J., Camden—Bank—Feb. 18, by Land Title Guaranty Co., 432 Market St., 2 story and basement, 38 x 100 ft., rein.-con., brick and stone, plain foundation, 5th and Market St. Davis, 3rd Dunlap & Barney, 1805 Walnut St., Phila., Pa., archts.

N. Y., Kings Park—Hospital—Mar. 4, by State Hospital Comn., Capitol, Albany, constructing fire house, at Kings Park State Hospital, here; adv. E. N.-R. Feb. 12.

N. Y., New York—High School—Feb. 16, by Cass Gilbert, archt., 244 Madison Ave., 8 story, brick, steel and stone, plain foundation, Lexington Ave. and 50th St., for Roman Catholic Archdiocese of New York, S. J. Donahue, 452 Madison Ave., pres. $750,000.

Pa., Lewisburg—High School—Mar. 2, by Bd. Educ., 1 story and basement, 82x281 ft. and 68x120 ft., brick and steel, plain foundation. W. G. Eckels & Co., New Castle, archts.

Pa., Reading—Home—Feb. 19, by W. H. Lee, archt., 1505 Race St., 3 story and basement, 90x124 ft., brick and steel addition, plain foundation, here, for Bethlehem Temple Assn., Bethlehem. $175,000.

Md., Baltimore—Police Headquarters—Feb. 18, by Bd. Awards, 5 story and basement, 160 x 237 ft., brick and steel, plain foundation, Lexington and Fallsway Sts. $1,000,000. J. Pennington, 330 North Charles St., archt. W. C. Chapin, 347 Madison Ave., New York City, engr. Noted Dec. 11.

Md., Bowie—Administration—Feb. 18, by State Bd. Educ., 2014 Lexington Bldg., Baltimore, 2 story and basement, 103 x 136 ft., brick and steel, plain foundation, here. $175,000. Smith & May, Calvert Bldg., Baltimore, archts.

D. C., Wash.—Church, etc.—St. Stephens Episcopal Church, Newton and Center Sts., N.W., taking bids for church, Sunday school and parish house. R. Tappan, Forrest Hills Gardens, Long Island, N. Y., archt.

D. C., Wash.—Home—Washington City Orphans Asylum taking bids, for children's home. A. P. Clark, Jr., 816 14th St., archt.

D. C., Wash.—Nurses' Home and Dormitory—New Crittendon Home, taking bids for nurses home and dormitory, Conduit Rd. $250,000. A. P. Clark, Jr., 814 14th St., N.W., archt.

Va., Alexander—Hotel—Day & Zimmerman, engrs. and archts., 1600 Walnut St., Phila., Pa., will build 6 story and basement, 100 x 113 ft., rein.-con., brick and steel, plain foundation, for Northern Virginia Hotel Corp. Work will be done by separate contracts under supervision of engineers.

N. C., Hendersonville—High School—City taking bids high school. $280,000 bonds voted. A. W. Honeycutt, supt.

Buildings—Commercial (Continued)

Fla., Jacksonville—Clubhouse—Feb. 23, at office of R. A. Benjamin, archt., Bisbee Bldg., 5 story, and basement, 105 x 107 ft., steel and brick, Laura and Adams Sts., for Elks Club. $250,000.

O., Cleveland — Apartment — S. Koslen, 1077 East 97th St., taking bids 4 story and basement, 49 x 179 ft., brick, 1906 East 82nd St. $250,000. Schabel & Grimm, Erie Bldg., archts.

O., Cleveland — Infirmary — Feb. 27, by Dept. Pub. Welfare, Columbus, remodeling 2 story and basement, 146 x 180 ft., rein.-con. and brick, for Cleveland State Hospital, here. $175,000. H. H. Briggs, Ohio-Hartman Bldg., Columbus, archts.

O., Cleveland—Store and Apartment—Thompson Impvt. Co., J. W. Thompson, pres., Chester-Twelfth Bldg., taking bids 2 story and basement, 60 x 82 ft., and 68 x 100 ft. store and apartment building, Lakeland and Detroit Aves. $200,000. Private plans.

Mich., Detroit—Mercantile—Feb. 20, by Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., 10 story and basement, 80 x 100 ft., rein.-con., brick and steel, plain foundation, Library Ave., for Crowley Milner Co., Gratiot and Farmer Sts.

Ill., Staunton—Church—Feb. 15, by Bd. Trustees St. Michael Roman Catholic Parish, 419 East Main St., 1 story and basement, 58 x 127 ft., concrete, brick and stone. $150,000. Wessbecher & Hillebrand, 826 Buder Bldg., St. Louis, Mo., archts. Noted Nov. 27.

Wis., Milwaukee — Apartment — J. Hunholz, 2310 Vliet St., taking bids for concrete for 8 story and basement, 60 x 77 ft., brick and concrete, plain foundation, Mason St. $350,000. Dick & Bauer, 811 State St., archts. Noted Dec. 11.

Wis., Milwaukee—Office and Store—Feb. 16, by A. S. Alschuler, archt., 28 East Jackson Blvd., Chicago, Ill., 8 story and basement, 125 x 150 ft., brick and concrete, Wells St., for English Woolen Mills, 204 3rd St. $800,000. Noted Jan. 15.

Minn., Faribault—School—Feb. 16, by St. Mary's Hall, superstructure for 2 story, rein.-con. and brick school. $175,000. C. H. Johnston, 715 Capitol Bldg., St. Paul, archt. Noted Sept. 4.

Neb., Lincoln — Office — Commonwealth Investment Co., taking bids 12 story and basement, 75 x 95 ft., concrete, marble, tile and steel office building. 800,000. C. H. Larsen & Co., Fraternity Bldg., archts.

Neb., Omaha—High School—Feb. 26, by Bd. Educ., c/o W. T. Burke, secy., South High School, 3 story, Bedford stone and brick. $675,000 up. J. Latenser & Sons, 732 Peters Trust Bldg., archts. Noted Dec. 18.

Mo., Kansas City—Church—Mar. 3, by J. H. Felt & Co., archts., 800 Grand Ave. Temple Bldg., 2 story and basement, 160 x 175 ft., native stone, brick and concrete addition and remodeling present church, Linwood Blvd. between Park and Oliver Sts., for First Baptist Congregation, c/o D. J. Evans, pastor. Noted Feb. 5.

Mo., St. Louis—Office—Roxana Petroleum Co., Arcade Bldg., taking bids 12 story, 102 x 196 ft., brick, stone, concrete and steel, 13th St. and Locust Blvd. $1,000,000. Jamieson & Spearl, Arcade Bldg., archts. Noted Dec. 4.

Tex., San Antonio—Hotel—Feb. 21, by H. T. Phelps, archt. and engr., Hicks Bldg., 8 story and part basement, 80 x 110 ft., rein.-con. and brick addition, plain foundation, St. Marys and Travis Sts., for J. M. Nix & Co., c/o Lanier Hotel. Noted Feb. 5.

Calif., Los Angeles—Warehouse—A. C. Martin, archt., Higgins Bldg., taking bids 5 story (ultimately 8 story), 50 x 140 ft., rein.-con., Pico St. and Normandie Ave., for A. Wohlfarth, 1607 Pleasant Ave., California Storage Co., 1320 Margo St., lessee. Noted Jan. 28.

Calif., Pasadena — School — Bd. Educ. taking bids Washington Junior High School, 2 story, brick. $200,000. Allison & Allison, Hibernian Bldg., Los Angeles, archts.

Ont., Petrolia—High School—Feb. 25, by J. J. Matthews, secy. Bd. Educ., 2 story and basement, 10 room, rein.-con., brick and steel, plain foundation. $150,000. D. R. Franklin, 487½ Yonge St., Toronto, archt.

BIDS RECEIVED

N. Y., Brooklyn—School—W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Feb. 5, general construction P. S. 207, Fillmore Ave., from T. A. Clarke, 1310 Bedford Ave., for Bd. Educ., 500 Park Ave., New York City. $356,300. Noted Jan. 22.

Wis., Fond du Lac—Schools—Bd. Educ., c/o J. Hohenesee, secy., Feb. 4, 2 story and basement, brick and tile addition to Roosevelt Junior High School, from Bartleson & Ness, Manitowoc, $166,700; Fond du Lac High School, from G. Schwartz & Co., Rochester, Minn., $185,600. Noted Jan. 22.

CONTRACTS AWARDED

Mass., New Bedford—Theatre and Office—Z. Ray, 1527 Acushnet Ave., 2 story and basement, 72 x 130 ft. theatre, and 62 x 130 ft. office building, both brick and steel, plain foundation, Acushnet Ave., to J. Nault, 232 Shaw St. Archts. est. $250,000. Noted Jan. 22.

R. I., Providence — School — Assumption Parish, Potters Ave., 3 story and basement, 75 x 100 ft., brick and steel, plain foundation, to Central Eng. & Constr. Co., 210 Main St., Pawtucket. Archts. est. $150,000. Noted Jan. 29.

N. Y., Brooklyn—Exchange—New York Telephone Co., 15 Dey St., New York City, 3 story, 100 x 100 ft., brick, steel and rein.-con., plain foundation, Ocean Ave. and Ave. Y, here, to White Constr. Co., 95 Madison Ave., New York City. Archts. est. $250,000.

N. Y., Elmira—College—Elmira College, constructing 2 story and basement, 110x112 ft. brick, to Lowman Constr. Co., Elmira.

N. Y., New York—Theatre—J. Cort, 136 West 48th St., brick, steel and stone, plain foundation, Fordham Rd. and Bainbridge Ave., to M. Shapiro & Sons, 1540 Bway. Archts. est. $300,000.

N. Y., Rochester—Hospital—Rochester Homeopathic Hospital, 224 Alexander St., brick, steel and stone, plain foundation, Alexander St., to Gorsline & Swan, Rochester. Archts. est. $350,000.

N. Y., Utica—Bank and Office—First Natl. Bank & Trust Co., 14 story, 80 x 151 ft., brick, steel and stone, plain foundation, Genesee and Elizabeth Sts., here, to C. T. Wills, Inc., 286 5th Ave., New York City. Noted Jan. 22.

N. J., Newark—Bank—Natl. State Bank, 810 Broad St., 2 story, brick, steel and stone, plain foundation, Mechanic St., to D. Wather Co., 178 Abington Ave. Archts. est. $150,000.

N. J., Newark—Office—Prudential Insurance Co., Prudential Bldg., 16 story, brick, steel and stone, plain foundation, Halsey St., to Thompson Starrett Co., 49 Wall St., New York City. Archts. est. $6,000,000.

Pa., Harrisburg—Store—J. H. Doutrick, c/o C. J. Lappley, archt., Ebner Bldg., 4 story and basement, 26 x 210 ft., brick and steel, plain foundation, Market and Dewberry Sts., to Central Constr. Co., 7th and Emerald Sts.

La., New Orleans—College, etc.—Jesuits College, Baronne and Common Sts., construction new 4 or 5 story college buildings, new church, 2 story auditorium, and 4 story priests house, all rein.-con. and brick, Carrolton Ave. and Banks St., to G. J. Glover Co., Inc., Whitney Central Bank Bldg., $1,500,000.

Mich., Detroit—Lodge—Loyal Order of Moose, 418 West Elizabeth St., 3 story, brick, steel and rein.-con. addition, plain foundation, Cass Ave., to Jones McNally Co., 400 Penobscot Bldg., $350,000. Noted July 31.

Mich., Detroit—Mercantile—J. L. Hudson Co., 1201 Farmer St., 15 story, basement and sub-basement, 120 x 150 ft., concrete, brick, steel and stone, plain foundation, Farmer St., to Bryant & Detwiler Co., 2336 Dime Bank Bldg.

Mich., Jackson—Church—First Church of Christ Scientist, 2 story, brick, steel and stone, plain foundation, Homecrest Rd., to H. G. Christman Co., Lansing, $153,000.

Minn., Winona—High School and Power House—Bd. Educ., A. H. Kressin, clk., general contract 3 story and basement, rein.-con., brick and stone, to Carlsted Bros., 700 Builders Exch., Minneapolis, $206,026. Noted Jan. 8.

Wyo., Rawlins—High School—School Bd. Dist. No. 3, First Natl. Bank Bldg., 3 story, rein.-con., terra cotta and brick, to E. White, Idaho Falls, Idaho, $220,211.

Mo., Kansas City — Hotel — Westport Hotel Operating Co., c/o J. J. Taxman, Land Bank Bldg., 12 story and basement, 107 x 130 ft., rein.-con., brick, stone and terra cotta, 14th and Baltimore Sts., to G. H. Siedhoff Constr. Co., Broadview Hotel Bldg., Wichita, Kan.

Mo., St. Louis—Office—Western Union Telegraph Co., 514 Olive St., 17 story and basement, 119x127 ft., brick, stone, steel and concrete, 9th and Chestnut Sts., to D. P. Robinson Constr. Co., 655 Park Ave., New York City.

Tex., Wichita Falls—Office—Snider & Harvey, 6 story and basement, 80 x 100 ft., rein.-con., and brick, plain foundation, Main St., to Westlake Constr. Co., 1st Natl. Bank Bldg., Ft. Worth, cost plus percentage basis. Archts. est. $400,000.

Calif., Fullerton — Gymnasium — Union High School Dist. will build 1 story, 80x195 ft., brick and steel, by day labor. $150,000. Noted Dec. 4.

Calif., Los Angeles—Dormitory—Wollett & Eager, archts., Pacific Mutual Bldg., general contract 3 story and basement, 90 x 120 ft., brick and concrete, 36th St. near University Ave., to Sumner-Sollitt Co., Delta Bldg., for University of Southern California. $107,845. Noted Jan. 29.

Calif., Los Angeles—Garage—Interests represented by C. W. Irwin, Westlake Professional Bldg., 7 story and basement, 80 x 175 ft., rein.-con., South Hope St. to Wallace & Dunham, 2007 Wilshire Blvd., approximately $360,000. Noted Nov. 27.

Calif., Los Angeles—Store, Theatre and Apartment—L. L. Bard, 421 Union Oil Bldg., 103 x 278 ft., rein.-con., Adams St. and Crenshaw Blvd., to A. Bard Co., Union Oil Bldg., approximately $400,000.

Calif., Los Angeles—Temple—Hongwanjo Buddhist Temple Assn., c/o E. H. Cline, archt., Ferguson Bldg., brick, Central Ave. and 1st St., to Darrell-Condley Co., Marsh-Strong Bldg., $154,300.

Calif., Los Angeles — Theatre — G. A. Landsburgh, archt., Hillstreet Bldg., (all except steel contract), 13 story and basement, 140 x 150 ft., steel, brick and rein.-con., South Bway., to J. V. McNeil Co., 5860 South Park Ave., for Bway. Properties, Inc., c/o architects. Noted Jan. 29.

Calif., Los Angeles—Warehouse—Morgan, Walls & Clements, archts., Van Nuys Bldg., 5 story and basement, 140 x 320 ft., rein.-con., McGarry St., to J. M. Cooper, Marsh-Strong Bldg., for R. H. Arnold, 830 McGarry St. Approximately $500,000 on percentage basis. Noted Jan. 15.

Calif., Sacramento—Exchange—Bliss & Faville, archts., Balboa Bldg., San Francisco, 6 story and basement, brick and steel, K St., here, to Lindgren-Swinerton, Inc., Standard Oil Bldg., San Francisco, for Pacific Telephone & Telegraph Co., 333 Grant Ave., San Francisco. $400,000 to $500,000. Noted Dec. 18.

Calif., San Francisco — Apartment — Mason-Sacramento Corp., M. V. B. McAdam, pres., 43 Sutter St., 10 story and basement, rein.-con., Mason and Sacramento Sts., to Clinton Constr. Co., 923 Folsom St., $1,000,000 or more, probably fixed fee basis.

Calif., San Francisco—Club—Meyer & Johnson, archts., 742 Market St., 4 story and basement, Class A, Sacramento St., to Coast Constr. Co., Crocker Bldg., for Y. M. C. A. (Chinese Branch). $127,500. Noted Jan. 22.

Calif., San Jose—Office and Club—Commercial Club, c/o Binder & Curtis, archts., 255½ 5th St., 10 story and basement, rein.-con., North 1st St., to E. Nommensen, c/o Builders Exchange, $320,000. Noted May 15.

Ont., London — Seminary — A. Fallon, bishop St. Peters Palace, 3 story and basement, 100 x 400 ft., brick and stone, Huron St., to Piggott & Healey, 36 St. James St., Hamilton. Archts. est. $500,000.

Federal Government Work

PROPOSED WORK

Mo., Sedalia—Post Office—U. S. Treas. Dept., Wash., D. C., having preliminary plans prepared 2 story and basement, rein.-con., brick and stone. Private plans.

BIDS DESIRED

N. Y., New York—Dredging, etc.—Feb. 24, by U. S. Engineer Office, Room 710, Army Bldg., 39 Whitehall St., dredging and rock removal in East River; adv. E. N.-R. Feb. 12.

Md., Baltimore—Repairs, etc.—March 2, by Treas. Dept. at office Supervising Archt., Wash., D. C., repairing, reroofing, etc., also mechanical equipment at Immigration Sta., here.

D. C., Wash.—Garage—Feb. 19, by Treas. Dept. at office Supervising Archt., Wash., D. C., constructing 1 story garage, for fuel yards.

W. Va., Parkersburg—Post Office—Mar. 5, by Treas. Dept. at office Supervising Archt., Wash., D. C., new mailing platform, etc., at Post Office, here; adv. E. N.-R. Feb. 12.

N. C., Wilmington—Barge—Mar. 12, by U. S. Engineer Office, constructing one 5 x 26 x 80 ft. steel barge; adv. E. N.-R. Feb. 12.

Federal Government Work (Continued)

Ill., **Great Lakes**—Buildings, etc.—Mar. 17, by U. S. Veterans Bureau, Room 791, Arlington Bldg., Wash., D. C., constructing buildings and utilities, at U. S. Veterans Hospital, here.

Wis., Milwaukee—Steel Bars—Mar. 12, by U. S. Engineer Office, steel reinforcing bars, here; adv. E. N.-R. Feb. 12.

BIDS RECEIVED

Wash., Puget Sound—Repairs, etc.—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs and fitting out piers, here, from Henry & McFee, 208 Northern Life Bldg., Seattle, **(1)** $1,466,475 **(2)** $1,465,477 **(3b)** $1,290,148 **(3c)** $1,299,971 **(4a)** $18,700 **(4b)** $16,300 **(4c)** $16,300 **(5a)** $9,600 **(5b)** $74,900 **(5c)** $30,080 **(5d)** $18,000 **(5e)** $32,915 **(6a)** $210 **(6b)** $524 **(6c)** $340 **(6d)** $187 **(6e)** $693 **(7)** $0.20 **(8)** $0.67 **(9)** $1.08 **(10)** $10,500 **(10a)** $5,600 **(10b)** $9,650 **(10c)** $4,850 **(10d)** $260 **(10e)** $235 **(10f)** $235 **(10g)** $235. Noted Dec. 18.

CONTRACTS AWARDED

Mass., Gloucester — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling post office, etc., here, to E. Zimmerli, Woodbury, N. J., $18,400. Noted Jan. 29.

Ala., Florence—Cable, etc.—U. S. Engineer Office, War Dept., Wash., D. C., generators and lead cable for power house at Wilson Dam, here, to General Electric Co., River Rd., Schenectady, N. Y., $64,348. Noted Jan. 15.

Ala., Florence—Insulators—U. S. Engineer Office, War Dept., Wash., D. C., porcelain insulators with cable clamp, here, to Champion Switch Co., Buffalo, N. Y., $33,810. Noted Jan. 15.

Ala., Florence—Lock Gates—U. S. Engineer Office, War Dept., Wash., D. C., steel lock gates for Navigation Canal at Wilson Dam, here, to Newport News Shipbuilding & Dry Dock Co., Newport News, Va., $187,370.

Miss., Vicksburg — Drainage Ditches — Third Mississippi River Dist., P. O. Box 404, about 125,000 cu.yd. drainage ditches in Black Bayou, Lower Yazoo Levee Dist. above Greenville, to A. V. Wills & Sons, 516 Buder Bldg., St. Louis, Mo., $0.194 per cu.yd., total $24,250. Noted Jan. 1.

Mo., Harrisonville — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., constructing post office, here, to A. M. Lundberg, Federal Reserve Bank Bldg., St. Louis, $41,700. Noted Jan. 8.

Unclassified

PROPOSED WORK

Park—Albany, N. Y.—See "Buildings—Commercial."

Subway — New York, N. Y.—Bd. Transportation, 49 Lafayette St., didn't open bids Feb. 6, constructing Sect. 6B, Route 78, a part of Rapid Transit R.R. Resolution rescinded. Noted Jan. 29.

Harbor Improvements—Richmond, Va.—Henrico Co. having surveys made harbor improvements. R. K. Compton, City Hall, engr.

Gas Storage Plant, etc.—Tampa, Fla.—Tampa Gas Co., 201 Madison St., plans extending plant, storage for 2,600,000 cu.ft. gas, and 20 mi. mains. J. D. Shattuck, 201 Madison St., engr.

Sea Wall—Gulfport, Miss.—Bd. Supervs. Harrison Co. take bids probably Mar. 15, sea wall along beach front from Biloxi to Pass Christian. $2,000,000. H. D. Shaw, Anderson Theatre Bldg., co. engr. H. A. Genung, Long Beach, field engr., and A. M. Shaw, Hibernia Bldg., New Orleans, La., consult. engr. Noted Feb. 5.

Electric Light System—Jonesville, La.—See "Waterworks."

Mooring—New Orleans, La.—Bd. Port Comrs., New Court House Bldg., making plans providing mooring facilities along Mississippi River front from mouth of Navigation Canal to Amer. Sugar Refinery, distance of 2 or 3 miles. Private plans.

Transmission Line—Wisconsin—Wisconsin Power, Light & Heat Co., Gay Bldg., Madison, plans transmission line in Green Lake Co. $25,000. Engineer not selected.

Gas Mains — Comanche, Tex. — Making plans mains to supply city with natural gas. $50,000. Jno. B. Hawley, 403 Cotton Exch. Bldg., Ft. Worth, engr.

Transmission Line, etc.—Mulhall, Okla.—Plans election $23,000 bonds for distribution system, also transmission line from here to Guthrie. Gantt Baker Co., 116 West Main St., Oklahoma City, engrs.

Tunnels, Conduit, etc. — Grass Valley, Calif.—See "Excavation, Drainage, Irrigation, Levees."

Underground Lighting Conduit—Leamington, Ont. — Plans 1½ to 2 mi. underground street lighting conduit and cable, and erecting 60 lighting standards.

Subway—Thamesville, Ont.—Dept. Highways, Toronto, plans subway under railway tracks in Longwoods Rd., near here. $95,000.

Stadium — Toronto, Ont. — Bd. Harbor Comrs., Harbor Bldg., made plans and soon takes bids concrete, brick and steel stadium, foot of Bathurst St. $300,000.

BIDS DESIRED

Athletic Field, etc.—Scituate, Mass.—Feb. 24, by R. W. Beal, archt., 62 Summer St., Boston, athletic field, running track, tennis courts and roadways, etc., about High School Building, here, for City. $25,000.

Athletic Field—Long Island City, N. Y.—Feb. 19, by Park Bd., Municipal Bldg., New York City, athletic field, in Forest Park, here.

Fire Alarm System, etc.—Ogdensburg, N. Y.—Mar. 4, by State Hospital Comn., Capitol, Albany, fire alarm system, etc., at St. Lawrence State Hospital, here; adv. E. N.-R. Feb. 12.

Fire Sprinklers—Willard, N. Y.—Mar. 4, by State Hospital Comn., Capitol, Albany, automatic fire sprinklers, at Willard State Hospital, here; adv. E. N.-R. Feb. 12.

Grade Separation—Springwells, Mich.—Feb. 24, by B. P. Esper, city clk., constructing Mulkey Ave.-Michigan Central R.R. grade separation. Hubbell, Hartgering & Roth, 2348 Penobscot Bldg., Detroit, consult. engrs.; adv. E. N.-R. Feb. 12.

Underpass—Nevada—Feb. 18, by State Hy. Comn., Carson City, underpass under Central Pacific R.R. tracks near Fernley, Lyon Co., 4,600 cu.yd. excav., 675 cu.yd. Class B concrete, state to furnish gravel and sand. G. W. Borden, Heroes Memorial Bldg., Carson City, highway engr.

Underway—Aptos, Calif.—Supervs. Santa Cruz Co. (Santa Cruz), taking bids underway under Southern Pacific R.R. track, here, 13,000 cu.yd. roadway and 2,600 cu. yd. structural excav., 478 ft. 12, 18 and 24 in. corrugated iron pipe culverts, 2,600 lbs. reinforcing, etc. L. Bowman, co. surv.

Street Lighting System — San Gabriel, Calif.—Feb. 24, by I. H. Stouffer, city clk., metal standards on Alhambra and Shorb Rds., etc. To exceed $25,000. Noted Aug. 21.

BIDS RECEIVED

Special Work — Brooklyn, N. Y. — Bd. Transportation, 49 Lafayette St., New York City, specila work for use in constructing Bway., 4th Ave. extension, here, from Lloraine Steel Co., 71 Bway., New York City, $9,522.

Landing Platform—New York, N. Y.—M. Cosgrove, comr. Docks, Pier A, foot Battery Pl., Feb. 5, extending Battery landing platform and berth for baths, Contr. 1846, from A. N. Spooner & Son, Pier 11, North River, $22,811 and $2,320 respectively. Noted Jan. 29.

Grade Separation—Springwells, Mich.—B. P. Esper, city clk., Municipal Bldg., Jan. 27, grade separation at Schafer Rd., and Detroit & Ironton Ry., incl. steel deck bridge encased in concrete with rein.-con. walls and piers, and depressing 1,560 ft. road, 86 ft. from R. A. Mercier, 5435 Wesson Ave., Detroit, $285,000. Noted Jan. 8.

CONTRACTS AWARDED

Stadium—Pittsburgh, Pa.—University of Pittsburgh, 600 x 800 ft. rein.-con. stadium, campus, to Turner Constr. Co., 11 Goodell St., Buffalo, N. Y.

Stadium—Baton Rouge, La.—University of Louisiana, rein.-con. stadium addition, to Haase & Barbay, Baton Rouge, $28,700.

Pier—Seattle, Wash.—Arden Salt Wks., 150 x 240 ft. piling and heavy timber pier with portion superstructure 2 stories high, to H. Pederson, Alaska Bldg., Seattle, $60,000.

Oil Tank—El Segundo, Calif.—Standard Oil Co., 3,000,000 bbl. tank to Bent Bros., 418 Pecan and 4th Sts., Los Angeles.

Grandstand — Los Angeles, Calif. — Los Angeles Baseball Club, 1940 South Hill St., approximately 3,000 tons steel for rein.-con. and steel grandstand, 20,000 (ultimately 30,000) seating capacity, to Llewlyn Iron Wks., Main and Redondo Sts. Noted Jan. 8.

Street Lighting System—Turlock, Calif.—Street lighting system on various streets, to Osborn Electric Co., Turlock, $66,900. Noted Feb. 5.

Material and Equipment

PROPOSED WORK

Pipe, Chino, Calif. — City plans to purchase 3,100 ft. 4 in. and 2,500 ft. 2 in. standard black I. D. screw casting pipe. M. L. Birnie, city clk.

Rock Crusher — Grass Valley, Calif. — C. F. Lobecker, city clk., plans to purchase rock crusher, for city.

Cement, Asphalt, etc.—Brantford, Ont.—Takes bids about Feb. 15, cement, asphalt, stone dust, sewer pipe, castings, etc. $45,000. F. P. Adams, city engr.

Pipes—Kingston, Jamaica—Plans 30 mi. 4, 6 and 9 in. (mixed sizes) earthenware glazed socket pipes.

BIDS DESIRED

Trucks — West New Brighton, N. Y. — Feb. 18, by J. A. Lynch, pres. Richmond Boro., St. George, two 2 ton and one 3 ton automobile trucks, and one 3½ ton semi-trailer, at Clove Rd. garage, here.

Sand Grit—New York, N. Y.—Feb. 16, by J. Miller, pres. Manhattan Boro, Municipal Bldg., 2,500 cu.yd. sand grit.

Road Material—Freehold, N. J.—Feb. 25, by Bd. Chosen Freeholders Monmouth Co., Court House, furnishing crushed stone, slag and gravel during 1925. G. K. Allen, Jr., Red Bank, co. engr.; adv. E. N.-R. Feb. 12.

Concrete Mixer — Tyrone, Pa. — F. K. Lukenbach, city treas., taking bids concrete mixer, two bag capacity, for Boro.

Bituminous Material—Virginia—Mar. 3, at office of State Hy. Comn., State Office Bldg., Richmond, bituminous material for State and State Aid System. C. S. Mullen, ch. engr.; adv. E. N.-R. Feb. 12.

Coal Tar — Cincinnati, O. — Feb. 18, by Director Pub. Serv., City Hall, 1,250 tons coal tar road binding material $43,750, and 400 tons coal tar pitch filler $12,000, to Div. Street Repairs. F. Krug, City Hall, engr.

Sewer Cleaning Machine—Cleveland, O.—City, W. K. Hoare, comr. Purchases and Supplies, in market for sewer cleaning machine.

Loading Equipment, etc.—Columbus, O.—R. M. Miller Co., Essex Ave. and Penn R.R., in market for heavy loading and unloading equipment for new yard, also small steam shovel.

Asphalt Filler, etc.—Kenosha, Wis.—Feb. 16, by C. M. Osborn, city mgr., 50 tons asphalt filler, 3 tons 24 in. motor broom fibre, and ½ ton 24 in. gutter broom wire.

Snow Plow—Oconto, Wis.—E. McAllister, highway comr., in market for additional snow plow, for Oconto Co.

Road Oil—South Milwaukee, Wis.—Feb. 16, by R. J. Schauer, city clk., 2 to 5 carloads road oil.

Trucks — Waukesha, Wis. — Feb. 17, by C. J. Hahn, highway comr. Road and bridge Com., seven 3.5 ton motor trucks, for Waukesha Co.

BIDS RECEIVED

Tar Patch—Trenton, N. J.—Bd. Freeholders Mercer Co., Jan. 27, 50,000 gal. tar cold patch, from T. Tobish, Amer. Mechanic Bldg., $9,940. Noted Jan. 8.

Pipe—Baltimore, Md.—Bd. Awards, vitr. terra cotta pipe, Contr. 49, from Natl. Building & Supply Co., 210 Garrison Lane, $24,323. Noted Jan. 29.

Stone or Gravel—Oshkosh, Wis.—R. C. Steiner, highway comr. Winnebago, Co., Jan. 31, from Cook & Brown, Marion and Market Sts., 5,000 cu.yd. washed sand at $1.04 per ton, from Lutz, 1270 Knapp St., 11,000 cu.yd. crushed stone $1.42; from Northern Gravel Co., Barton, 11,000 cu.yd. gravel, $1.34.

CONTRACTS AWARDED

Ties and Timber—New York, N. Y.—Bd. Transportation, 49 Lafayette St., 17,000 ties and timber for construction of Rapid Transit R.R., to Robinson Lumber Co., 52 Vanderbilt Ave., $13,247. Noted Feb. 5.

Cement—Detroit, Mich.—Street Ry. Dept. & Bd. Pub. Wks., 200,000 bbls. Portland cement in bulk, f.o.b. cars or city teams or trucks, at plant, foot of Riopelle St., to Huron & Wyandotte Portland Cement Co., 1325 Ford Bldg., at $2.10 per bbl. in bulk.

Pipe—Sacramento, Calif.—For 215 tons c.i. pipe and fittings, to U. S. Cast Iron Pipe Co., Monadnock Bldg., San Francisco, $10,821.

Cement—Tracy, Calif.—W. Schlossman, secy. Banta-Carbona Irrigation Dist., to Cowell Lime & Cement Co., 2 Market St., San Francisco, 7,500 bbls. cement delivered Tracy at $2.73 per bbl., Carbona $2.75, Yarmouth $2.78, Fitz $2.75, and Lyoth $2.75. Noted Feb. 5.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M. Tuesday can usually be printed in the issue out Thursday.

Rate: 40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: Feb. 25.

Electric Light and Waterworks Improvements

Mansura, La.

Sealed bids will be received by the Mayor and Board of Aldermen of the Town of Mansura, La., at their regular meeting place until the hour of 10 a.m., of the day of Feb. 25th, 1925, for the following:

One 50 H.P., one 100 H.P., Crude Oil Engines. Directly connected Alternators and Power Pump 500 gals. per minute.

Two exciters, motor driven air compressor, motor driven centrifugal pump, 8" Tubular well, 68,000 gal. Concrete Reservoir, 50,000 Gal. Elevated Tower and Tank, Cast Iron Pipe Mains and Specials, Valves, Hydrants and Usual galvanized house connections, etc.

Complete Pole line materials, Transformers and Motors, etc.

Proposals must be marked in Red Letters, "PROPOSALS FOR LIGHT AND WATERWORKS IMPROVEMENTS."

All bids must be upon blank forms provided in the specifications.

Each bid must be accompanied by a Certified Cashier's Check (Bidders Bond not acceptable) in amount of 7% of the amount of bid. No amount less than $150.00 will be received. This amount is to be deposited as evidence of good faith.

Plans and specifications will be on file at the office of the Town Clerk, Dr. H. J. Siess, at Mansura, La., and at the office of the Engineer, F. P. Joseph, Glenmora, La.

Copies of the Plans and specifications, forms of proposals, etc., etc., may be obtained from the Engineer for the sum of $7.50 which amount is not refundable, and shall apply to cover the cost of same.

The right is reserved to reject any and all bids, waive any and all formalities or to accept any bids which in the opinion of the Board of Aldermen will best serve the interests of the Municipality.

ARTHUR J. ESCUDE, Mayor.
DR. H. J. SIESS, Clerk.
F. P. JOSEPH, M.E.,
Consulting Engineer,
Glenmore, La.

Bids: March 3.

Street Paving

Bluefield, W. Va.

Sealed proposals will be received at the office of the City Manager, Coal & Coke Building, Bluefield, West Virginia, until two o'clock P. M. March 3, 1925, for the following paving, all within the City of Bluefield:

PROJECT 1

Removal of old macadam; grading; storm sewer and catch basin work; curbing; concrete foundation, and surfacing approximately 24,000 square yards.

PROJECT 2

Grading; storm sewer and catch basin work; curbing, and paving, preferably with one-course concrete, approximately 18,000 square yards.

A complete set of specifications covering the above projects, together with incidental work pertaining thereto; instructions to bidders, and proposal blanks may be had upon request to the City Manager and the depositing of $5.00, which will be refunded upon their return in good condition.

Each proposal must be accompanied by a certified check of $3,000.00 for each project.

The right is reserved to reject any or all proposals.

CLARENCE E. RIDLEY,
City Manager.

OFFICIAL PROPOSALS

Bids: March 4.

State Hospital Work

Kings Park, N. Y.

Sealed proposals for Construction, Heating, Sanitary and Electric Work, Fire House, Kings Park State Hospital, Kings Park, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 3 o'clock p.m., Wednesday, March 4, 1925, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit as a guarantee that bidder will enter into the contract if awarded same. Deposit shall consist of a certified check drawn upon some legally incorporated bank in this State and made payable to the State of New York or money equal to five per cent (5%) of the amount of proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty days after official notice of award of contract and in accordance with the terms of Specifications Nos. 4354, 4355, 4356 and 4357. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the Kings Park State Hospital, Kings Park, N. Y., at the New York Office of the Department of Architecture, 18th Floor, Fuller Building, Broadway and 23d St., and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon the deposit of a certified check, or money in the sum of $25.00 made payable to the State of New York, for each set of Construction drawings and specifications and $10.00 for each set of Heating, Sanitary or Electric drawings and specifications which deposit will be returned if the drawings and specifications are received in good condition by the State Architect, Sullivan W. Jones, Capitol, Albany, N. Y.

Dated January 26, 1925.

Bids: March 5.

Sewer and Water Lines

Westerville, Ohio.

Sealed bids will be received by the City Manager of Westerville, Ohio, at the office of the City Manager until 12:00 noon, March 5, 1925, for furnishing the necessary labor and materials for sewer and water lines.

The work will consist of the following: 2,000 feet of 4" cast iron water mains, average depth four feet. 2,000 feet of 10" vitrified sewer pipe including 56 Y branches. 5 4" x 4" x 4" cast iron tees, 5 4" gate valves, 5 hydrants, 5 manholes. The average depth of the sewer is 5.5 feet, all laid according to plans and specifications on file in the office of the City Manager, Westerville, Ohio.

A deposit of $2.00 will be required on plans and specifications $1.00 of which will be refunded if plans and specifications are returned to the city manager on or before the day of the letting.

Each bid must be accompanied by a certified check for not less than 5% (five per cent) of the amount of the bid, as evidence of good faith.

The right is reserved by Council of the Village to reject any and all bids.

RICHARD BIEHL,
City Manager.

Feb. 2, 1925.

OFFICIAL PROPOSALS

Bids: Feb. 26.

Pipe Valves, etc.

Springfield, Mass.

Sealed proposals will be received by the Board of Water Commissioners of the Springfield Municipal Water Works, at its office in the Municipal Building, Springfield, Mass., until 11 o'clock A.M., February 26, 1925, for the following material:

150 lengths Class E. 6" cast iron water pipe.
2,300 lengths Class E. 8" cast iron water pipe.
400 lengths Class E. 10" cast iron water pipe.
300 lengths Class E. 12" cast iron water pipe.
25 Class I. 8"—1/8 Bends B. & S.
40 Class I. 8"—1/16 Bends B. & S.
10 Class H. 10"—1/16 Bends B. & S.
10 Class I. 8" Crosses all bell.
4 Class H. 12"x8" Reducers S. & B.
1 Class H. 16"x10" Reducer S. & B.
50 Class K. 4" Sleeves.
50 Class I. 6" Sleeves.
50 Class I. 8" Sleeves.
15 Class H. 10" Sleeves.
25 Class I. 8" Tees B. B.
10 Class H. 10" x 8" Tees B. B.
5 Class H. 12"x8" Tees B. B.
2 Class H. 12"x10" Tees B. B.

The proposal shall state price per ton of 2,000 lbs., F.o.b. Armory, Mass., for each size of pipe and each size and kind of special casting.

All pipe and special castings are to be manufactured in accordance with N. E. W. W. A. specifications.

Bids will also be considered for centrifugally cast pipe.

25—6" Valves B. B.
100—6" Valves B. & F.
50—8" Valves B. B.

The proposal shall state price per valve delivered F.o.b. Armory, Mass.

1,000—¾" Corporations with tail pieces and with ¾" extension piece on inlet end.
100—1" Corporations with tail pieces and with ¾" extension piece on inlet end.
75—1¼" Corporations bodies only.
60—1½" Corporations bodies only.
25—¾" Inverted Key Curb Cocks.
1,000—1" Inverted Key Curb Cocks.
100—1¼" Inverted Key Curb Cocks.
100—1½" Inverted Key Curb Cocks.
1,000—1" Inverted Key Stop and Waste Cocks with special handles.
100—1" Tee Handle M. & F. Cocks.
1,000—¾" Compression Bibbs with hose spouts.

Prices shall be F.o.b. Armory, Mass.

Each proposal shall contain a statement as to the dates and rate of delivery of every item.

Each proposal shall be in a sealed envelope addressed to the Board of Water Commissioners, Springfield, Mass., and the kind of material bid on is to be plainly marked on the outside.

The right is reserved to eliminate any size from the proposal or to accept the proposal for any sizes without the acceptance of the entire bid. The right is also reserved to reject any or all bids or to accept any bid or any portion of any bid which it may be deemed to the interest of the City of Springfield so to do.

For further information and specifications, apply to the Superintendent.

BOARD OF WATER COMMISSIONERS,
SPRINGFIELD, MASS.
H. M. KING, Superintendent.